Register you product and get support at

www.philips.com/welcome

DVDR5570H

DVDR5520H

EN HDD & DVD Player / Recorder 4

PHILIPS

LASER

| | |
|---|---|
| Type | Semiconductor laser<br>InGaAlP (DVD)<br>AlGaAs (CD) |
| Wave length | 658 nm (DVD)<br>90 nm (CD) |
| Output Power | 30 mW (DVD+RW write)<br>1.0 mW (DVD read)<br>1.0 mW (CD read) |
| • Beam divergence | 84 degrees (DVD)<br>61 degrees (CD) |

For Customer Use:

Read carefully the information located at the bottom or rear of your DVD Recorder and enter below the Serial No. Retain this information for future reference.

Model No. DVD/HDD RECORDER
DVDR5520H, DVDR5570H

Serial No. _____

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HDMI, and HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.

Digital Video Broadcasting

Trade mark of the DVB Digital Video Broadcasting Project (1991 to 1996).

G-CODE® is a registered trademark of Gemstar Development Corporation. The G-CODE system is manufactured under licence from Gemstar Development Corporation.

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# 1 Important

## Safety and important notice

**Warning!**

Risk of fire or electric shock!

- Ensure that air can circulate freely through the ventilation holes on this unit. Allow at least 5~10 cm clearance around the unit.
- Never expose this unit to direct sunlight, naked flames or heat.
- Never place this unit on other electrical equipment.
- Keep away from this unit during lightning storms.
- Never remove the casing of this unit. Please leave all maintenance work to qualified personnel.
- Keep this unit away from water, moisture and liquid-filled objects.

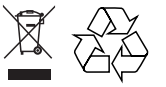
**Caution!**

- Remove batteries if they are exhausted or if the remote control is not to be used for a long time.
- Do not mix batteries (old and new or carbon and alkaline, etc.).
- Batteries contain chemical substances, they should be disposed of properly.
- Visible and invisible laser radiation when open. Avoid exposure to beam.

**Note**

- Refer to the type plate at the rear or bottom of the product for identification and supply ratings.

### Recycle notice



This electronic equipment contains a large number of materials that can be recycled or reused if disassembled by a specialised company. If you are disposing of an old machine, please take it to a recycling centre. Please observe the local regulations regarding disposal of packaging materials, exhausted batteries and old equipment.

### Copyright notice

The making of unauthorised copies of copy-protected material, including computer programmes, files, broadcasts and sound recordings, may be infringement of copyrights and constitute a criminal offence. This unit should not be used for such purposes.

This product incorporates copyright protection technology that is protected by US patents. Use of this copyright protection technology must be authorised by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision. Reverse engineering or disassembly is prohibited.

U.S. Patent Number 4,631,603; 4,819,098; 4,907,093; 5,315,448; and 6,516,132.

# 2 Your product

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Recording has never been easier with the built-in Hard Disk Drive, you can record up to 180~300 hours of video in SEP (Super Extended Play) recording mode.

| Model | Hard Disk Drive (HDD) | Maximum recording hours |
|---|---|---|
| DVDR5520H | 160 GB | 180 |
| DVDR5570H | 250 GB | 300 |

On top of that, you can store the DivX movies, music files and digital camera photos in the HDD Media Jukebox.

| | DVDR5520H | DVDR5570H |
|---|---|---|
| DivX files | 150 | 270 |
| Photos | 10,000 | 10,000 |
| Music files | 4,500 | 7,000 |

Note

- DO NOT disconnect the recorder from the power supply unless you are intending not to use this product for a long period of time. Power is needed to enable the recorder to perform essential tasks like timer recordings and automatically updating the system date/time.

## Features highlight

**Pause Live TV**
Every TV programme is now under your control, you can take a break without missing a moment. To pause the live TV programme and resume play later, simply press PAUSE LIVE TV button.

**Instant Replay**
You can repeat any scene of a live TV programme by turning the control wheel one click to the left, as often as you like. If you wish to return to the live TV programme again, just press the LIVE TV button.

**FlexTime**
You can watch a TV programme while it is still being recorded, you do not need to wait for the recording to finish. Alternatively, you can also watch another earlier recorded programme, play a DVD or DivX movie or enjoy some music while the recorder is recording the TV programme.

**Time Shift Buffer (TSB)**
As soon as you turn on your recorder, the TV channel it is tuned to will be stored onto the Time Shift Buffer. It can contain up to 6 (six) hour of TV programmes and will automatically flush anything that is older. You can mark the sections you want and copy them to your recordings list for later viewing or copy to recordable DVD.

### Digital and analogue tuner

This product features analogue TV reception, digital terrestrial TV and DVB-T Radio reception. To select between the three modes, simply press the LIVE TV button repeatedly.

Analogue TV > Digital TV > DVB-T Radio

### G-CODE

This is a simple programming system for recorders. To use it, enter the programming number associated with your television programme. You can find this number in your favourite listings magazine.

### Skip commercial block

After recording, the commercial scenes in the title will be checked and marked if 'Smart' chapter feature is activated (see page 30). This recorder will automatically insert chapter markers at the beginning and the end of the commercial scenes. When you watch the recorded titles, press **NEXT** ▶▶| to skip over commercials.

- Philips does not guarantee 100% accuracy of the commercial block chapter settings. You may encounter a few seconds of delay or advance at where the chapter markers are set within a commercial block.

### Media Jukebox

The Hard Disk drive of this recorder serves as a media jukebox that allows you to store all sources of recordings (TV recordings, videos, music and photos). The titles recorded or copied to the hard disk will automatically be saved under separate contents based on the characteristics of the recordings.

### Keyword search

Keyword search saves you from having to scroll through lists of files on your recorder's hard disk. Simply type in keywords using the alphanumeric buttons on the remote control and instantly find your favourite TV recordings, music files and DivX videos.

### 5.1 multi-channel audio recording

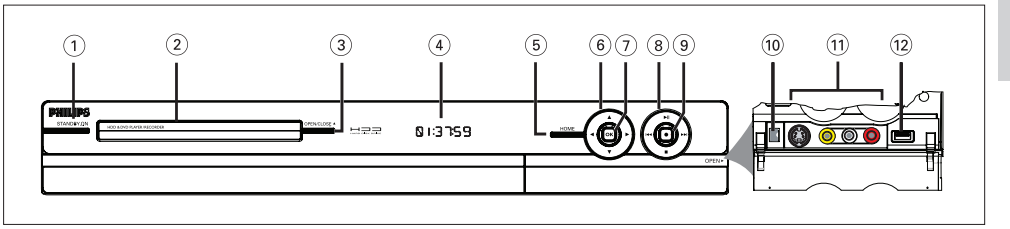
Digital 5.1 channel audio recording lets you capture - along with the video - the original sound from digital-channel programme sources. These recordings play back in multi-channel only when connected to a 5.1 channel speaker system.

## Region codes

DVD movies are usually not released at the same time in all regions of the world, thus all DVD players/recorders are programmed to a specific region code.

| Countries | DVD Region code |
|---|---|
| Australia, New Zealand | |

# Product overview




## Main unit

① STANDBY-ON
- Turn on this unit or turns off to normal standby mode.

② Disc tray

③ OPEN CLOSE ▲
- Open or close the disc tray.

④ Display panel

⑤ HOME
- Access or exit the Home menu.

⑥ ◀ ▶ : Cursor buttons for moving to the left/right. In recorder's Live TV mode, replay or skip the scene by a specified length of time.

▲ ▼ : Cursor buttons for moving up/down. In CAM mode, select CAM2, CAM1, EXT1 or EXT2 input source.

⑦ OK
- Confirm an entry or selection.

⑧ ▶II
- Pause or resume live TV.
- Start or pause disc play.

I◀◀ ▶▶I
- Skip to the previous or next item.
- Press and hold the button to make a reverse/forward search.

■
- Stop play/record.

⑨ ●
- Start record. This button lights up while recording is in progress.
- Press repeatedly to set the recording length in 30-minute increments, up to 6 hours.

**Note**

- The following connections are under the flap at the right corner of the front panel.

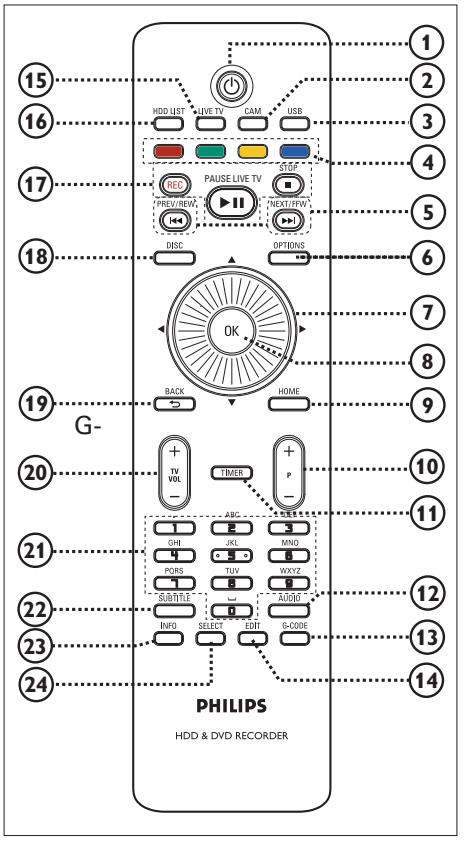
⑩ DV IN (CAM2) socket
- To connect digital camcorders (iLink/FireWire/IEEE1394 connection).

⑪ S-VIDEO -VIDEO-AUDIO (CAM1) socket
- To connect camcorders/DVD players/VCRs (composite/S-video and analogue audio connections).

⑫ USB socket
- To connect USB flash drive, USB memory reader or digital camera.

* Not all brands and models of digital cameras are supported, except those compliant with the PTP standard.

## Remote control




① ⏻
- Turn on this unit or turn off to normal standby mode.

② CAM
- Activate the camcorder connected to the DV IN CAM2 socket.

③ USB
- Activate the connected USB device and display its contents.

④ Coloured buttons
- Select the corresponding option on the TV.

⑤ ⏮ (PREV/REW) / ⏭ (NEXT/FFW)
- Skip to the previous or next item.
- Press and hold the button to make a reverse/forward search.

⑥ OPTIONS
- Access or exit the Options menu (this menu provides various setting options).

⑦ Navigation cursor / Control wheel
- In live TV mode, rotate the control wheel to skip backward or forward within the TV programmes you have watched.
- ◀ ▶ : Cursor buttons for moving to the left/right. In live TV mode, replay or skip the scene by a specified length of time.
- ▲ ▼ : Cursor buttons for moving up/down.

⑧ OK
- Confirm an entry or selection.

⑨ HOME
- Access or exit the Home menu.

⑩ P + −
- Select previous/next channel on live TV or the external input source (EXT1, EXT2, CAM1).
- After press CAM, press this button to switch to other external input source (EXT1, EXT2, CAM1).

⑪ TIMER
- Access or exit the timer menu.

⑫ AUDIO
- Select an audio language/channel.

⑬ G-CODE
- Access or exit G-CODE system menu.

⑭ EDIT
- Access or exit edit menu.

⑮ LIVE TV
- Switch to live TV.
- Press repeatedly to switch to analogue TV, digital TV or digital radio.

⑯ HDD LIST
- List the recorded titles in the hard disk.

⑰ PAUSE LIVE TV ▶II
- Pause or resume live TV.
- Start or pause disc play.

STOP ■
- Stop play/record.
- Press and hold this button to open or close the disc tray.

REC
- Start record.
- Press repeatedly to set the recording length in 30-minute increments, up to 6 hours.

⑱ DISC
- Activate disc mode and display the contents of the disc.

⑲ BACK ⮌
- Return to previous menu.

⑳ TV VOL + −
- Adjust the volume of the TV (for Philips TVs or compatible brands only).

㉑ Alphanumeric buttons
- Used to enter numbers or letters (using SMS style entry).
- Select an item number to play.
- Select live TV channels.

㉒ SUBTITLE
- Select DVD or DivX subtitle language.

㉓ INFO
- Display or hide on-screen information.

㉔ SELECT
- Select more than one item in a menu.
- Toggle between 'T' (title) and 'C' (chapter) selection during disc play, then press I◀◀ / ▶▶I to select previous or next title/chapter.
- For character entry using the alphanumeric buttons, toggle between upper and lower case.

# 3 Connect

This section describes the basic connections required for this recorder before it can be used. Look for the highest quality connection based on the type of devices you have and make the best connection for this recorder.

Basic connections:
- Connect antenna or cable
- Connect video/audio cables

Optional connections:
- Connect other devices
- Connect to an AV amplifier/receiver
- Connect to Cable Box/Satellite Receiver
- Connect to VCR or other similar device
- Connect to digital video/digital 8 camcorder
- Connect to analogue camcorder

Note

- Verify that the power supply voltage corresponds to the voltage printed on the rear or bottom of the unit.
- Before you make or change any connections, ensure that all the devices are disconnected from the power outlet.

## Place the unit

- Place this unit on a flat, hard and stable surface. Do not place this unit on a carpet.
- Install this unit near the AC outlet where the AC power plug can be easily reached.

## Connect antenna or cable

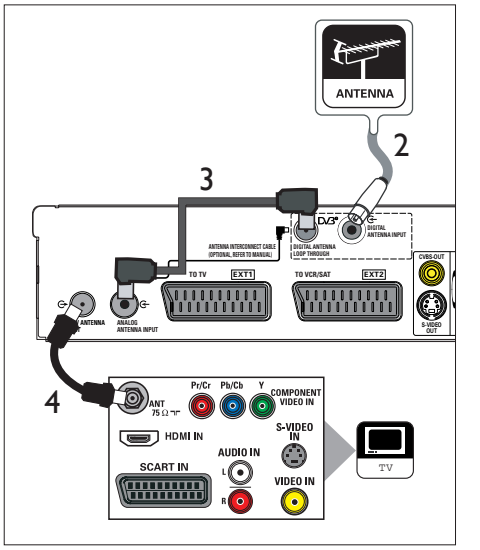
This section describes how to connect this recorder to an antenna or a cable box/satellite receiver. It enables you to watch and record TV programmes.

This recorder has two types of tuner input, one for digital terrestrial tuner and the other for analogue tuner. Before you start, select an antenna connection that suits your current home set up.

- **Option 1**: Connect to off-air antenna
- **Option 2**: Connect to cable/satellite antenna or digital terrestrial antenna

### Option 1: Connect to off-air antenna

Use this connection if you have only an off-air antenna and wish to receive both analogue and digital TV programmes.



1 Unplug the existing antenna cable from your TV.

2 Connect the antenna cable to the **DIGITAL ANTENNA INPUT** socket on this recorder.

3 Connect the Tuner interlink cable (supplied) between the **DIGITAL ANTENNA LOOP THROUGH** and **ANALOG ANTENNA INPUT** sockets on this recorder.

4 Connect a RF antenna cable (supplied) from the **TO TV ANTENNA INPUT** socket on this recorder to the antenna input socket on your TV.

**Note**

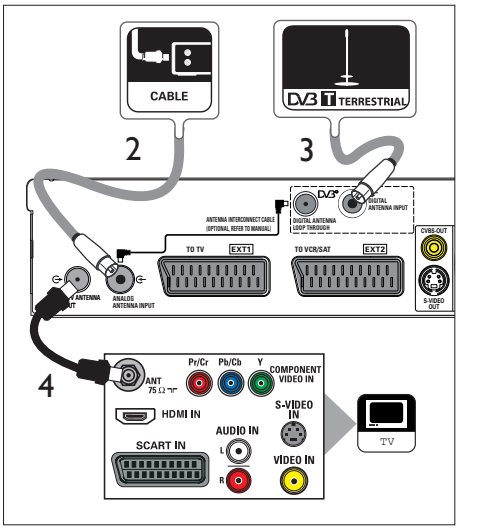
- Only free-to-air digital TV channels can be received (no reception of 'conditional access' / Smartcard channels).

**Tip**

- The antenna input socket on your TV may be labelled as ANT, ANTENNA IN or RF IN.

## Option 2: Connect to cable/satellite antenna or digital terrestrial antenna

Use this connection if you have a Cable Box/ Satellite Receiver or a separate indoor digital terrestrial antenna.




1 Unplug the existing cable/satellite TV antenna from your TV.

2 Connect the cable/satellite TV antenna to the **ANALOG ANTENNA INPUT** socket on this recorder.

3 If you have a digital terrestrial antenna, connect it to the **DIGITAL ANTENNA INPUT** socket on this recorder.

4 Connect a RF antenna cable (supplied) from the **TO TV ANTENNA INPUT** socket on this recorder to the antenna input socket on your TV.

**Note**

- No digital channels will be found if the digital antenna is not connected to this recorder.

# Connect video/audio cables

This section describes how to connect this recorder to your TV so to enable you to view the playback from this recorder.

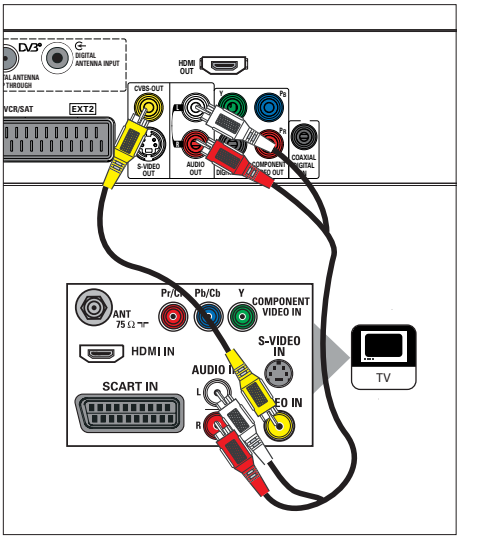
Before you start, select the best video connection that your TV can support.

- **Option 1**: Connect to video (CVBS) socket (for a standard TV).
- **Option 2**: Connect to S-video socket (for a standard TV).
- **Option 3**: Connect to component video socket (for a standard TV or Progressive Scan TV).
- **Option 4**: Connect to HDMI socket (for a HDMI, DVI or HDCP-compliant TV).

Note

- Scart connector (EXT1-TO TV) on this recorder cannot be used in this region.
- You must connect this recorder directly to a TV.
- If your TV has a digital audio input socket, you can replace the analogue audio connection with digital audio connection in order to enjoy multi-channel surround sound output.

## Option 1: Connect to Video (CVBS) socket



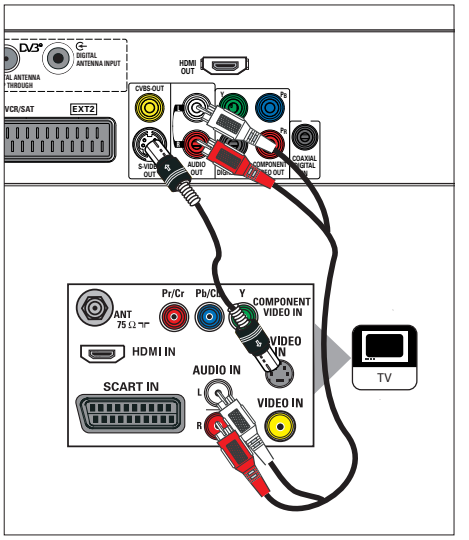

1 Connect a composite video cable (yellow - supplied) from the CVBS OUT socket on this recorder to the video input socket on your TV.

2 Connect the audio cables (red/white - supplied) from the **AUDIO OUT** sockets on this recorder to the audio input sockets on your TV.
   - Alternatively, you may replace the audio connection with **COAXIAL DIGITAL OUT** (cable not supplied).

Tips

- The video input socket on your TV may be labelled as A/V IN, VIDEO IN, COMPOSITE or BASEBAND.
- This type of connections provide standard picture quality.

## Option 2: Connect to S-Video socket



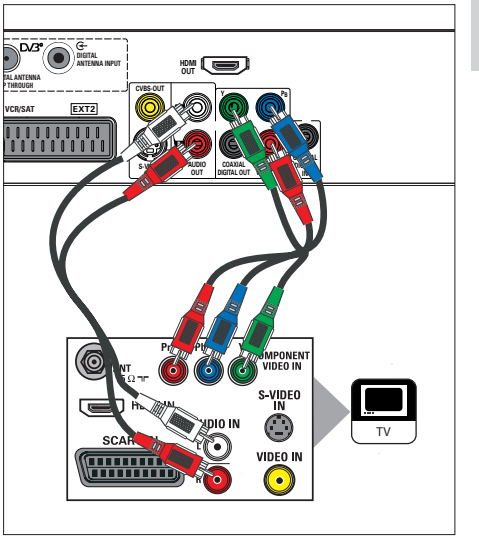

1 Connect a S-video cable (not supplied) from the **S-VIDEO OUT** socket on this recorder to the S-Video input socket on your TV.

2 Connect the audio cables (red/white - supplied) from the **AUDIO OUT** sockets on this recorder to the audio input sockets on your TV.
- Alternatively, you may replace the audio connection with **COAXIAL DIGITAL OUT** (cable not supplied).

**Tips**

- The S-video input socket on your TV may be labelled as Y/C or S-VHS.
- This type of connections provide standard picture quality.

## Option 3: Connect to component video socket



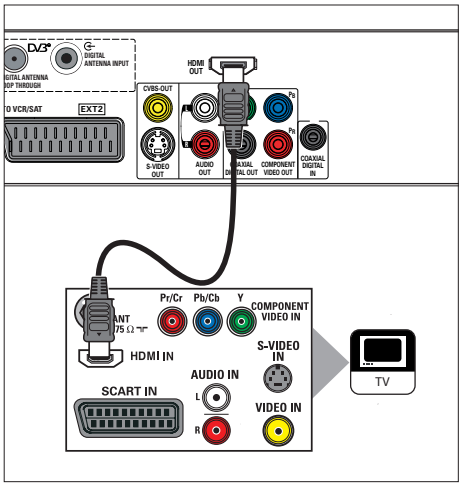

1 Connect the component video cables (not supplied) from the **Y PB PR** sockets on this recorder to the component video input sockets on your TV.

2 Connect the audio cable (red/white - supplied) from the **AUDIO OUT** sockets on this recorder to the audio input sockets on your TV.
- If a progressive scan TV is used, you may turn on the progressive scan mode (see 'Turn on Progressive Scan' for details).
- To activate the component video input, set the active video output accordingly (see 'Video settings' > [ **Active video output** ] for details).

**Tips**

- The component video input socket on your TV may be labelled as Y Pb/Cb Pr/Cr or YUV.
- This type of connections provide good picture quality.

## Option 4: Connect to HDMI socket




1 Connect a HDMI cable (not supplied) from the **HDMI OUT** on this recorder to the HDMI IN socket on your TV.
   - To activate the HDMI video input, set the active video output accordingly (see 'Video settings' > **[ HDMI ]** for details).

### Note

- Only free-to-air digital TV channels can be received (no reception of 'conditional access' / Smartcard channels).
- Depend on your TV capabilities, audio may not be supported through HDMI connection. In this case, make an audio connection to your TV and turn off the HDMI audio output (see 'Audio settings' for details).
- HDMI supports HDCP (High-bandwidth Digital Contents Protection). HDCP is a copy protection signal that comes with the HD content (DVD disc or Blu-ray disc).

### Tips

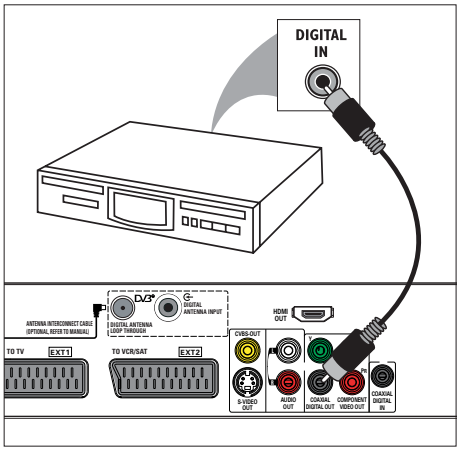
- Use a HDMI/DVI adaptor in case your TV has only a DVI connection. An extra audio connection is needed to complete this connection.
- This type of connections provide best picture quality.

# Connect other devices

This section describes how to connect this recorder to other devices with recommendations for the most used cases. Other solutions may be possible, depending on the capabilities of the devices.

## Connect to an AV amplifier/receiver

You can listen to the audio from this recorder through a digital audio device. It allows you to enjoy multichannel surround sound output.



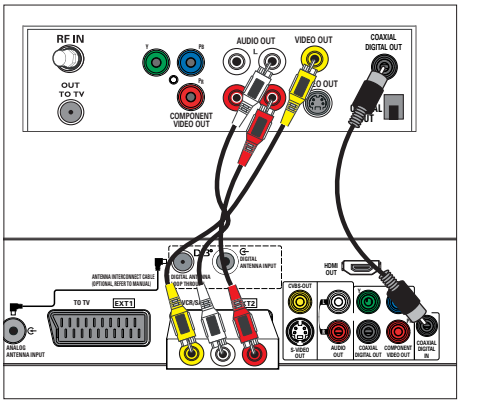

1 Connect a coaxial cable (not supplied) from the **COAXIAL DIGITAL OUT** socket on this recorder to the digital/ coaxial input socket on the device.
   - Select the digital audio output setting according to the type of audio that the device can output (see 'Audio settings' > **[ Digital input ]** for details).

**Tip**

- The digital coaxial input socket on the device may be labelled as COAXIAL IN or DIGITAL IN.

## Connect to Cable Box/Satellite Receiver

This recorder supports 5.1 multi-channel input signal. The 5.1 multi-channel surround output from the Cable Box/Satellite Receiver can be recorded onto this recorder, along with the video.

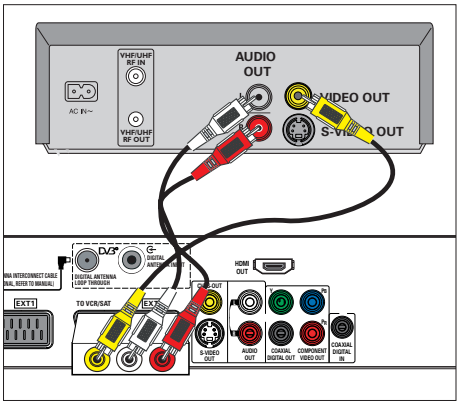



1 Plug in the scart adaptor (supplied) to the **EXT2-TO VCR/SAT** socket on this recorder.

2 Connect the Audio/Video cables (supplied) to the scart adaptor and the other ends to the audio and video output sockets on your Cable Box/Satellite Receiver.

3 Connect a coaxial cable (not supplied) from the **COAXIAL DIGITAL IN** socket on this recorder to the digital/coaxial output socket on your Cable Box/Satellite Receiver.
   - To prepare this recorder for 5.1 multi-channel recording (see 'Set up 5.1 multi-channel recording' for details).
   - To view the video input, press **CAM** and followed by **P +/—** until 'EXT 2' is displayed.

## Connect to VCR or other similar device



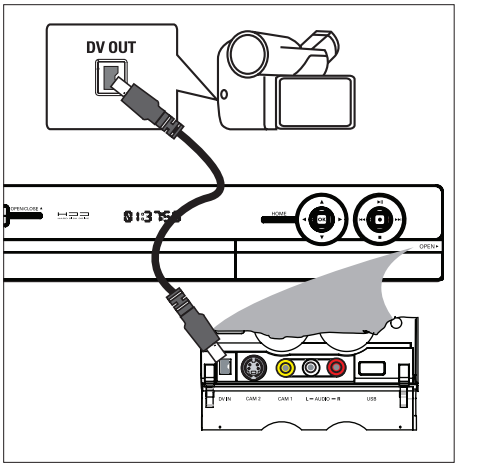

1 Plug in the scart adaptor (supplied) to the **EXT2-TO VCR/SAT** socket on this recorder.

2 Connect the Audio/Video cables (supplied) to the scart adaptor and the other ends to the audio and video input sockets on your VCR.
- Alternatively, you may replace the video connection with **S-VIDEO** (cable not supplied).
- To view the video input, press **CAM** followed by **P +/—** repeatedly until 'EXT 2' is displayed.

**Note**

- Your new recorder can replace the VCR for all your recording needs. Just unplug all the connections to your VCR.
- Most commercial video tapes and DVDs are copy-protected and therefore cannot be recorded.

## Connect to digital video/digital 8 camcorder




1 Flip down the cover at the right hand corner of this recorder.

2 Connect an i.LINK 4-pin cable (not supplied) from the **DV IN** socket on this recorder to the DV OUT socket on the camcorder.
- To view the video input, press **CAM** to select 'CAM2'.

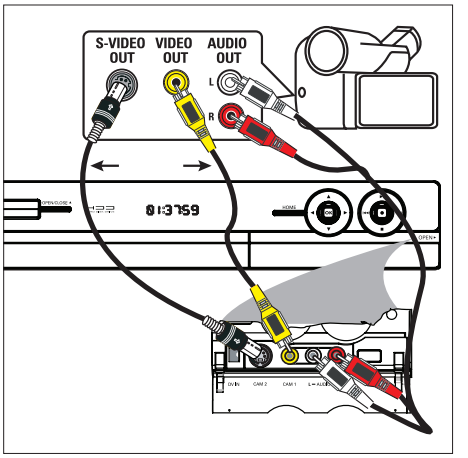
**Note**

- It is not possible to record or copy the titles or files from this recorder to your camcorder.

**Tip**

- This type of connections provide best picture quality.

## Connect to analogue camcorder




1 Flip down the cover at the right hand corner of this recorder.

2 Connect a composite video cable from the **VIDEO** socket on this recorder to the video output socket on the camcorder.
- Alternatively, you may replace the video connection with **S-VIDEO** (cable not supplied).

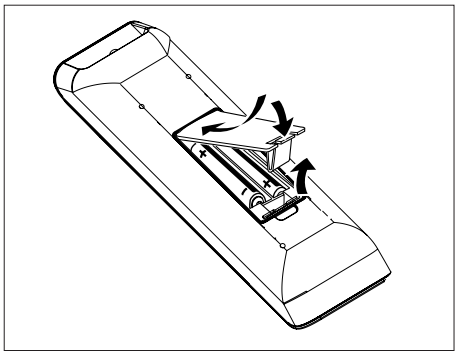
3 Connect the audio cable (not supplied) from the **AUDIO** sockets on this recorder to the audio output sockets on the camcorder.
- To view the video input, press **CAM** followed by **P +/—** repeatedly until 'CAM1' is displayed.

**Tip**

- This type of connections provide good picture quality.

# 4 Get started

## Prepare the remote control



1 Open the battery compartment cover.

2 Insert two batteries type R03 or AAA. Match the indications (+ −) inside the battery compartment.

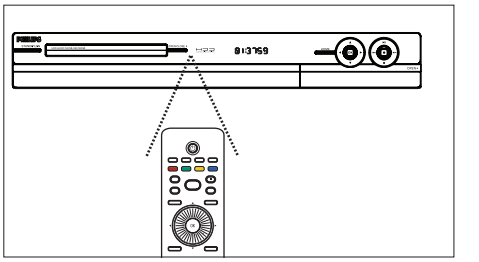
3 Close the cover.

Note

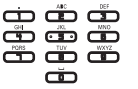
- If you are not going to use the remote control for a long time, remove the batteries.

## Navigate through the menu

1 Point the remote control directly at the remote sensor on the front panel and select the desired function.



2 Use the following buttons on the remote control to navigate through the on-screen menus, enter characters or numbers and confirm your selection.

| Button | Action |
|---|---|
| cursor buttons: up/down | Move up or down in a menu. |
| cursor buttons: left/right | Move left or right in the menu. |
| OK | Confirm a selection. |
|  | Enter characters or numbers.<br>• Press the button repeatedly until the character or number is displayed. |
| SELECT | Select upper or lower case (capital/small letter). |
| | Enter special symbol.<br>• Press the button repeatedly to select various symbols. |
| | Enter a space. |

# Select basic settings

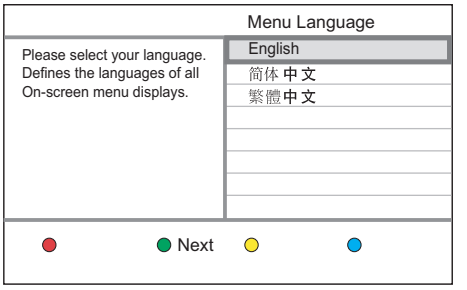
When you turn on this recorder for the first time, follow the instructions on the TV to complete the initial setup for this recorder.

**Note**

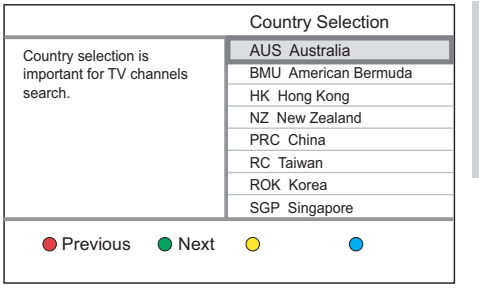
- Before you start, ensure that you have made all the required connections.
- If a Cable Box or Satellite Receiver is connected, turn it on.
- Complete the initial setup for this recorder before you insert a disc to play.

1 Press **STANDBY-ON** ⏻ to turn on the recorder.

2 Turn on the TV and switch it to the correct video-in channel.
- You may go to the lowest channel on your TV, then press the Channel Down button on your TVs remote control until you see the menu language screen.

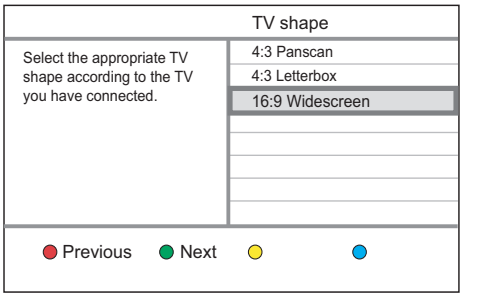


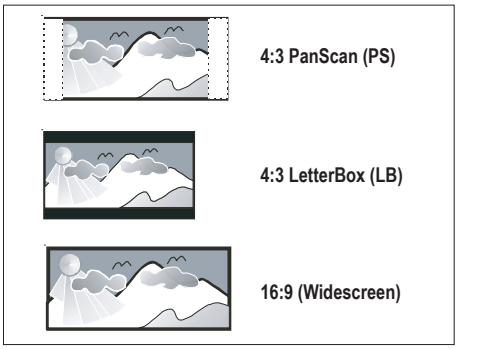

3 Select a language for on-screen display, then press **OK**.
↳ **[ Country Selection ]** menu is displayed.



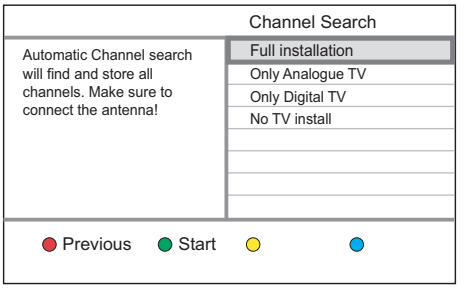

- It enables the recorder to find all the TV channels in your area.

4 Select the country where you use this recorder, then press **OK**.
↳ **[ TV shape ]** menu is displayed.

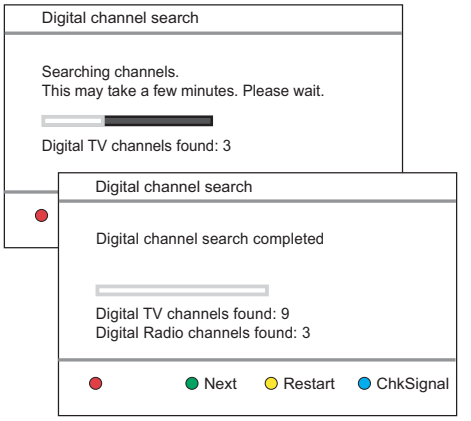



5 Select a screen format according to how you want the picture to appear on TV, then press **OK**.
↳ **[ Channel search ]** menu is displayed.

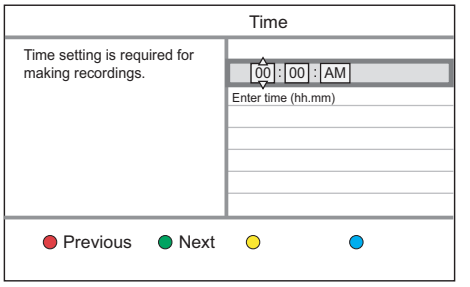



6 Select the type of TV signal source to install, then press the **OK**.
↳ Channel search and install begin. It takes a few minutes to complete.

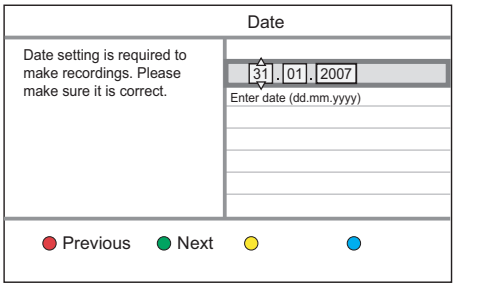



- If **[ No TV install ]** is selected, you will not be able to record TV programme through this recorder.

7 After the channel search is complete, press the **Green** button **[ Next ]** to continue.
↳ **[ Time ]** menu is displayed.

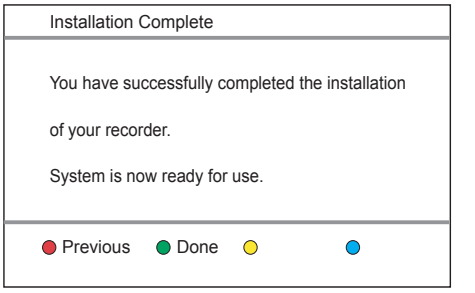



8 Press ▲▼ (or the **alphanumeric buttons**) to input the correct time, then press **OK**.
↳ **[ Date ]** menu is displayed.


Date
Date setting is required to make recordings. Please make sure it is correct.
31 . 01 . 2007
Enter date (dd.mm.yyyy)
Previous
Next

9 Press ▲▼ (or the **alphanumeric buttons**) to input the correct date, then press **OK**.

10 The installation is now complete. Press the **Green** button **[ Done ]** on the remote control to close the menu.




The DVD recorder is now ready for use.

**Tip**

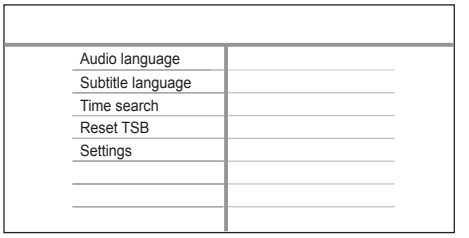
- Press the Red button on the remote control to return to the previous screen or press the Green button to proceed to the next installation step.

## Turn on Progressive Scan

When you connect a TV with the component video connection (see 'Connect audio/video cables - Option 3: Connect to component video socket' for details), you can set the progressive scan output if your TV supports progressive scan.

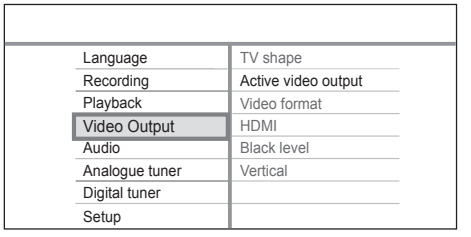
1 Turn on the TV to the correct viewing channel for this recorder.
- Ensure that the progressive scan mode on your TV is turned off or set it to 'Interlaced' mode (see the TV user manual).

2 Turn on the recorder and press **OPTIONS**.



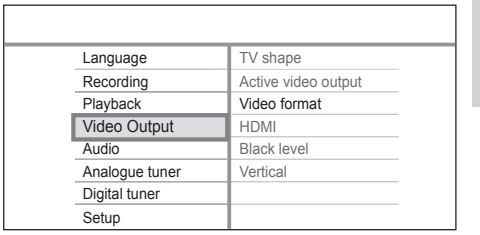

3 Select **[ Settings ]** > **[ Video output ]**, then press ▶.

4 Select **[ Active video output ]** > **[ Comp. video (YUV) ]**, then press **OK**.




- This is to activate the video output for component video connection.

5 Select **[ Video format ]** > **[ Progressive ]**, then press **OK**.




- This is to activate the progressive scan mode.

6 Read the warning message on the TV. To proceed, select **[ Apply ]** in the menu and press **OK**.
↳ The progressive setup is complete.
- If a blank/distorted screen is displayed, wait for 15 seconds for the auto recover.
- If no picture is displayed, disconnect this unit's ~MAINS. Then press and hold ⏮ on the recorder whilst connecting its ~MAINS to the power supply.

7 To exit the menu, press **OPTIONS**.

8 You can now turn on the progressive scan mode on your TV (see the TV user manual).

**Note**

- There are some progressive scan TVs that are not fully compatible with this unit, resulting in an unnatural picture when playing back a DVD VIDEO disc in the progressive scan mode. In such case, turn off the progressive scan feature on both the recorder and your TV.

## Set up 5.1 multi-channel recording

When you connect a Cable Box/Satellite Receiver to the digital input of this recorder, you can record multi-channel sound if broadcast from the digital-channel, along with the video.

Note

- 5.1 multi-channel recording is only possible from digital terrestrial tuner or audio signals received from digital input.
- To record with 5.1 multi-channel, ensure that the record mode is set to HQ or SP.

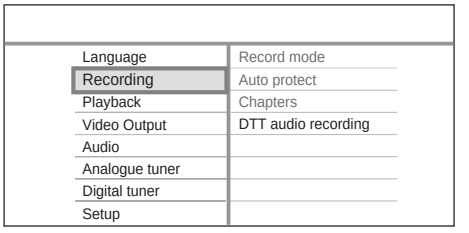
1 Connect your Cable Box/ Satellite Receiver to **COAXIAL DIGITAL IN** and **EXT2-TO VCR/SAT** socket (see 'Connect audio from Cable Box/Satellite Receiver' for details).

2 Turn on the TV to the correct viewing channel for this recorder.

3 Turn on the recorder and press **OPTIONS**.

4 Select **[ Settings ]** > **[ Recording ]**, then press ▶.

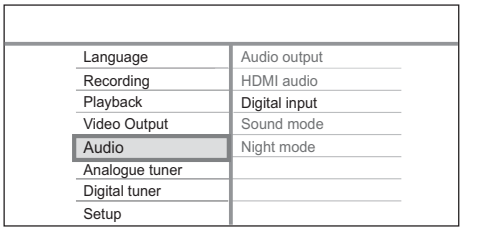
5 Select **[ DTT audio recording ]** > **[ Multichannel ]**, then press **OK**.




- If you intend to copy digital terrestrial tuner recording to a recordable DVD for playback on other players, set it to **[ Stereo ]**.

6 Select **[ Audio ]**, then press ▶.

7 Select **[ Digital input ]** > **[ On ]**, then press **OK**.




- This is to activate the digital input.

8 To exit the menu, press **OPTIONS**.

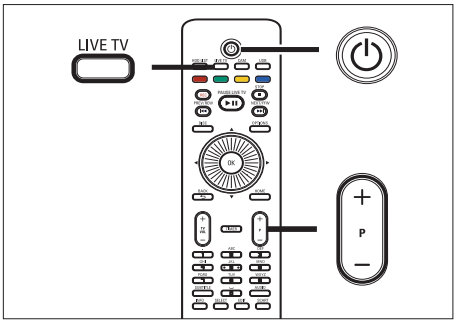
# 5 Watch live TV

## Use your recorder to watch live TV

Once you begin to watch live TV, this recorder begins to store whatever you watch into the Time Shift Buffer; which gives you control over live TV. For example, you can pause the live TV and resume play at any time or replay the live TV programme.

1 Turn on the TV to the correct viewing channel for this recorder.

2 Press **STANDBY-ON** ⏻ to turn on this recorder.




3 Press **LIVE TV** repeatedly to change the tuner signals.

| Display | Description |
|---|---|
| ⅄P | Analogue tuner signal. |
| ⅄D | Digital tuner signal. |
| ⅄R | Digital radio signal. |

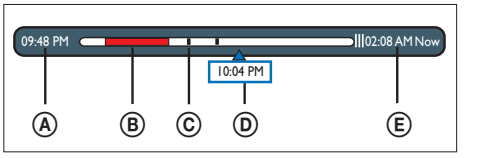
4 Press **P** + / — to select a desired channel.

## About Time Shift Buffer - temporary HDD storage

Time Shift Buffer (TSB) is a temporary hard disk storage in your recorder. It stores and retains up to the last 6 (six) hours of TV programmes when the recorder is turned on

The Time Shift video bar shows the status and timing of the stored TV programmes.

Press **INFO** to display or hide the bar.



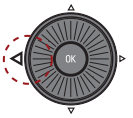
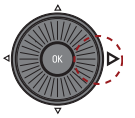
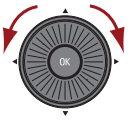

Ⓐ The TV programme start time. Once it has exceeded 6 (six) hours, the start time will be changed accordingly.
Ⓑ Sections selected to be recorded onto the hard disk (red bar).
Ⓒ Channel marker (marks when the channel was changed and stayed longer than 2 minutes).
Ⓓ Current position and time of the broadcast TV programme.
Ⓔ Present time

**Tip**

- To save the contents onto the hard disk, see 'Record a TV programme that you have watched' for details. Otherwise, it will be cleared when you switch the recorder to standby.

## Control live TV

To control the live TV, you must turn on the recorder to LIVE TV mode.

| Button | Action |
|---|---|
| PAUSE LIVE TV ▶II | Pause live TV or resume play. |
|  | Press to skip backward (instant replay).<br>• Default skip interval is 30 seconds. |
|  | Press to skip forward (skip ahead).<br>• Default skip interval is 1 minute. |
|  | Rotate to fast reverse or forward within a programme that has been broadcast.<br>• To increase search speed, fast rotate the control wheel. |
| LIVE TV | Return to live TV broadcast. |

**Tip**

- You can set the length of skip search interval (see 'Adjust settings - Playback settings > **[ Replay interval ] / [ Skip interval ]**' for details).

## Watch digital TV broadcast

This DVD recorder is able to receive free-to-air DVB-T (Digital Video Broadcast-Terrestrial) and radio stations. As new services are added over time, make sure to regularly update and install new channels (see 'Adjust settings - Digital tuner settings' for details).

1 Press **LIVE TV** repeatedly to switch to a digital TV signal.

2 Press **P +/—** to select a desired channel.

3 While watching digital TV broadcast, you can have the following options:

| Button | Action |
|---|---|
| AUDIO | Change audio language. |
| SUBTITLE | Change subtitle language. |
| INFO + Blue button | Access the programme information. |

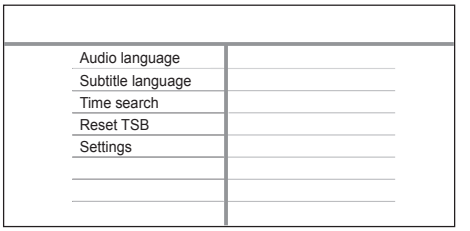
**Note**

- Changing of language is only possible if the TV programme is broadcast with multiple languages.

## Change audio language

This option is only available if the TV programme broadcast more than one audio language.

1 Press **OPTIONS**.




2 Select **[ Audio language ]**, then press ▶.

3 Press ▼ to select an audio language, then press **OK**.
- '01' is the original broadcast language and '02' is the additional broadcast language.

## Change subtitle language

This option is only available if the TV programme broadcast more than one subtitle language.

1 Press **OPTIONS**.

2 Select **[ Subtitle language ]**, then press ▶.

3 Press ▼ to select a subtitle language, then press **OK**.
- The languages may be numbered or abbreviated, such as 'en' for English.

## Search by time

It allows quick access to a specific time of a programme that has been broadcast.

1 Press **OPTIONS**.

2 Select **[ Time search ]**, then press ▶.

3 Use the **alphanumeric buttons** to enter the time where playback should start (hours : minutes AM/PM).

4 Press **OK**.
↳ Playback skips to the time entered.

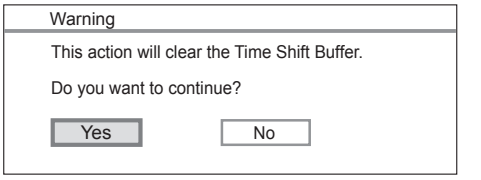
## Clear the Time Shift Buffer

**Note**

- Before you access CAM mode or **[ Analogue Tuner / Digital Tuner / Clock / Record mode ]** in the setting menu, this recorder will prompt you to clear the Time Shift Buffer.
- Except for the red mark sections in the Time Shift buffer, which will then be stored on the hard disk.

1 Press **OPTIONS**.

2 Select **[ Reset TSB ]**, then press **OK**.




3 Select [ **Yes** ] in the menu, then press **OK**.

# 6 Record

## Before you record

### Record media

The recording media for this recorder are internal hard disk drive (HDD), DVD R, DVD RW or DVD+R DL.

Note

- Copy-protected programmes cannot be recorded.
- If power failure occurred while copying the titles from hard disk is in progress, it may lead to a bad disc.
- When the hard disk is full, making a new recording automatically deletes the oldest unprotected title on the hard disk to make space for new recordings.
- Cannot record or copy both PAL and NTSC video format on a same recordable DVD.
- If the recordable DVD has been used for recordings by other recorders/PCs, adapt the menu format before you can play or record on this recorder (see 'Home menu - Adapt the recordable DVD format' for details).

#### Supported disc type and media speeds

| Disc | Media speeds |
|---|---|
| DVD+R/-R | 1x ~ 16x |
| DVD+RW | 2.4x ~ 8x |
| DVD-RW | 2.4 ~ 4x |
| DVD+R DL | 2.4x |

HARD DISK DRIVE

- Very high storage capacity:
  - DVDR5570H - 250 GB
  - DVDR5520H - 160 GB
- TV programmes can only be recorded to the hard disk before it can be copied to a recordable DVD.

DVD+ReWritable

DVD RW

- Recordings can be erased and the space can be used for new recordings.

DVD+R

DVD R

DVD R

- Recordings can be erased, but the space cannot be used for new recordings.
- Recordings can be edited or added on the disc before it is finalised.
- DVD R must be finalised before they can be played on other DVD players (see 'Make recordable DVDs play on other DVD players' for details).

DVD+R DL

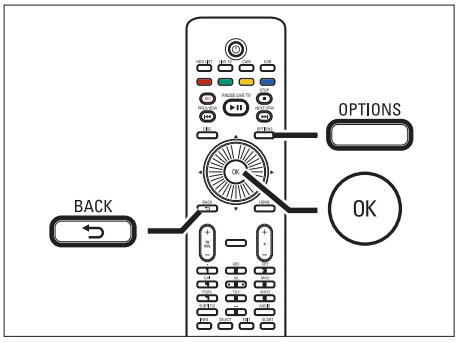
DVD+R DL (DVD+R Double Layer)

- Similar to the DVDR, but with a higher storage capacity of 8.5 GB.
- The disc contains two recording layers and can be accessed from the same side, which makes recording uninterrupted.

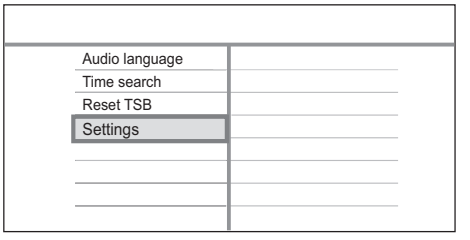
# Recording settings

## Select the recording quality

Choose the picture quality for recording before you record. The record mode also determines the amount of space that the recorded title takes up in the hard disk and recordable DVD.

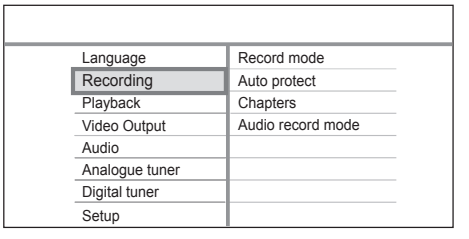



1 Press **OPTIONS**.




2 Select **[ Settings ]**, then press ▶.

3 Select **[ Recording ]** > **[ Record mode ]**, then press ▶.




4 Press ▲▼ to select a setting, then press **OK**.
- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **OPTIONS**.

Number of hours that can be recorded (DVDR5570H)

| Record Mode | HDD (250GB) | DVD±R/ DVD±RW | DVD+R Double Layer |
|---|---|---|---|
| **HQ** (high quality) | 40 | 1 | 1 hr 55 mins |
| **SP** (standard play) | 77 | 2 | 3 hr 40 mins |
| **SPP** (standard play plus) | 96 | 2.5 | 4 hr 35 mins |
| **LP** (long play) | 115 | 3 | 5 hr 30 mins |
| **EP** (extended play) | 153 | 4 | 7 hr 20 mins |
| **SLP** (super long play) | 230 | 6 | 11 hr 5 mins |
| **SEP** (super extended play) | 300 | 8 | 14 hr 45 mins |

Number of hours that can be recorded (DVDR5520H)

| Record Mode | HDD (160GB) | DVD±R/ DVD±RW | DVD+R Double Layer |
|---|---|---|---|
| **HQ** (high quality) | 23 | 1 | 1 hr 55 mins |
| **SP** (standard play) | 45 | 2 | 3 hr 40 mins |
| **SPP** (standard play plus) | 56 | 2.5 | 4 hr 35 mins |
| **LP** (long play) | 68 | 3 | 5 hr 30 mins |
| **EP** (extended play) | 90 | 4 | 7 hr 20 mins |
| **SLP** (super long play) | 135 | 6 | 11 hr 5 mins |
| **SEP** (super extended play) | 180 | 8 | 14 hr 45 mins |

**Note**

- The factory default setting is SPP record mode.
- When copy the recorded titles from the hard disk to a recordable DVD, changing of record mode is not possible.
- If you are unable to fit a title to a recordable DVD, split the title to remove the unwanted sections (see 'Edit recordings - Edit video' for details).

## Turn on/off title protection

If you want all the titles you record to be protected automatically, turn on this setting before you record so that the recorded titles will not be deleted or edited accidentally.

1 Press **OPTIONS**.

2 Select **[ Settings ]**, then press ▶.

3 Select **[ Recording ]** > **[ Auto protect ]**, then press ▶.

**[ Off ]**

Disable this feature.

**[ On ]**

New recorded titles will be automatically protected.

4 Select a setting, then press **OK**.
- To return to the previous menu, press **BACK** ↩.
- To exit the menu, press **OPTIONS**.

**Tip**

- To delete a protected title, press the Blue button on the remote control to turn off the protect feature, then press the Red button to delete.
- While in HDD list menu, you can press the Blue button to turn on/off the title protection function.

## Set chapter points for commercial block

If you want to skip over the commercial blocks quickly, select the **[ Smart ]** chapter option before you record. Otherwise, the chapters will be set in a standard interval within the recorded title.

1 Press **OPTIONS**.

2 Select **[ Settings ]**, then press ▶.

3 Select **[ Recording ]** > **[ Chapters ]**, then press ▶.

**[ Smart ]**
- Chapter markers will be inserted at the beginning and end of each commercial block.
- For DV camcorder recording, a chapter marker is added whenever there is a break in the time code on the DV tape.

**[ Standard ]**

Chapter markers are added once every 5 minutes.

**[ Off ]**

No chapter is created in the recorded title.

4 Select a setting, then press **OK**.
- To return to the previous menu, press **BACK** ↩.
- To exit the menu, press **OPTIONS**.

**Note**

- Smart chapter markings start to process only when you put the recorder to standby. Noise and heat will be generated during the process. Every one hour of recording requires at least 30 minutes of processing time.
- Philips does not guarantee 100% accuracy of the commercial block chapter settings. You may encounter a few seconds of delay or advance at where the chapter markers are set within a commercial block.
- When you watch the recorded title, press **NEXT** ▶▶| to skip over a commercial block or chapter.

## Select audio mode for digital recording

If you want to record a TV programme that transmits full cinema surround sound (Dolby Digital, DTS surround or DTS ES, Dolby Digital EX) from the digital terrestrial or the Cable Box/Satellite Receiver, turn on the multi-channel audio record mode before you record.

Note

- Multi-channel recordings from digital terrestrial tuner can only be played back on this recorder.
- Multi-channel recording is only possible in HQ and SP record mode.

1 Press **OPTIONS**.

2 Select **[ Settings ]**, then press ▶.

3 Select **[ Recording ]** > **[ DTT audio recording ]**, then press ▶.

**[ Stereo ]**

Disable digital audio input. Record audio in stereo mode.

**[ Multichannel ]**

Record audio in multi-channel mode.

4 Select a setting, then press **OK**.

- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **OPTIONS**.

# Record live TV

Each TV programme can record up to 6 (six) hours as one recorded title. Recording exceeded every six hours will be recorded as a new title.

1 Turn on the recorder to live TV mode.

2 Use the remote control to record the current TV programme.

| Button | Action |
|---|---|
| REC | Start recording. |
| REC | Set the length of recording.<br>• 30 minutes increment at each press, up to 6 hours. |
| STOP ■ | Stop recording at the current position. |
| (Red button) | Cancel recording. |

Tip

- You can turn off your TV and the recorder to standby while recording.

## Record a TV programme that you have watched

Once you begin to watch live TV, the programme will be stored in the Time Shift Buffer. To record the programme you have watched, mark the section in the Time Shift Buffer.

1 Press **INFO**.

2 Use the remote control to search and mark the section for recording.

| Button | Action |
|---|---|
| | Rotate to fast reverse or forward within a programme that has been broadcast.<br>• To increase search speed, fast rotate the control wheel. |
| | Mark the start point. |
| STOP | Mark the stop point. |
| (Red button) | Cancel the marked section. |

**Tips**

- A red mark appears indicating the marked section. When the recorder goes into standby, the marked section appears in the HDD as a recorded title.
- Marking of section can be done forward or backward within the Time Shift Buffer.

## Schedule a timer recording

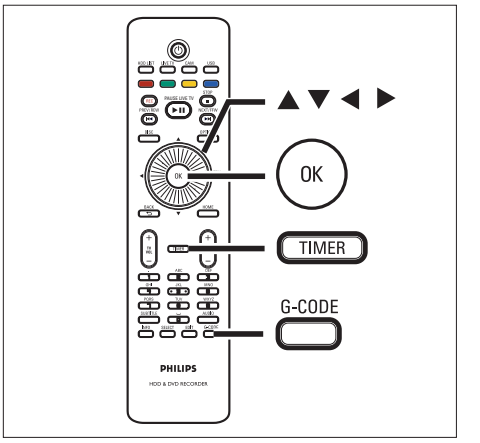
Schedule your recordings in advance and you can watch your favourite programmes at your convenience.

**Note**

- Copy-protected programmes cannot be recorded.
- When the hard disk is full, making a new recording automatically deletes the oldest unprotected title on the hard disk to make space for new recordings.
- If a recording is more than 6 hours long, it splits into two or more titles.
- Maximum 40 recordings can be scheduled in advance.
- When timer recording is active, changing of recorder's channel is not possible.

There are two ways to schedule a timer recording:

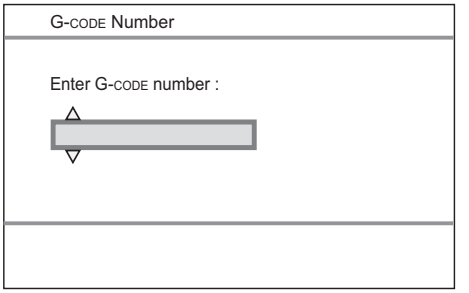
- **Use G-CODE system**
- **Use manual timer setting**



## Use G-CODE system

To schedule recordings with the G-CODE system, enter the G-CODE number that corresponds to the programme you want to record. You can find the programme number in the local TV listings.

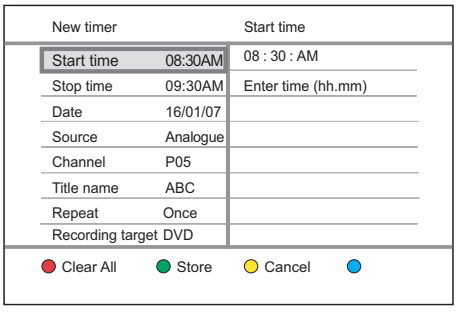
1 Press **G-CODE**.




2 Press the **alphanumeric buttons** to enter the G-CODE number. (e.g. 5-312-4 or 5,3124, key in '53124').
- To clear the number, press the **Red** button **[ Clear ]**.
- To cancel the programme and exit the menu, press the **Yellow** button **[ Cancel ]**.

3 Press the **Green** button **[ Store ]** to store the entry.
↳ A message to enter channel list is displayed.

4 Select **[ OK ]** in the menu, then press **OK**.




5 To change the recording settings, select the respective field and press ▶.

**[ Repeat ]**

Select a repeat recording setting.
- **[ Once ]** : no repeat.
- **[ Daily ]** : repeat everyday.
- **[ Weekly ]** : repeat once in a week.
- **[ Mon~Fri ]** : repeat from Monday to Friday.

**[ Recording target ]**

Select to store this recording to the HDD or a recordable DVD.

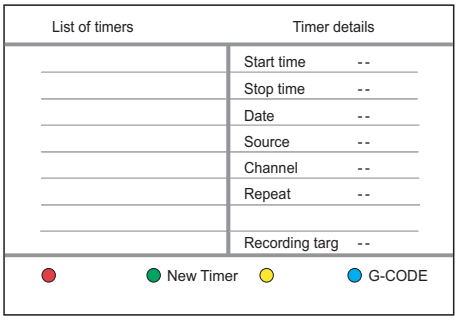
6 Select a new setting, then press **OK**.

7 Once complete, press the **Green** button **[ Store ]** to confirm the timer recording.

8 To exit, press **G-CODE**.
↳ The 'TIMER' icon lights up on the display panel if a timer recording is set.

## Use manual timer setting

1 Press **TIMER**.




2 Press the **Green** button **[ New Timer ]** on the remote control.
↳ The new timer entry menu is displayed.

**[ Start time ]**

Time when the recording starts (hours : minutes AM/PM).

**[ Stop time ]**

Time when the recording ends (hours : minutes AM/PM).

**[ Date ]**

Date when the recording starts.

**[ Source ]**

Analogue or digital tuner.

**[ Channel ]**

TV Channel to record or the external device input (EXT1 or EXT 2).

**[ Title name ]**

- Name of this recording.

**[ Repeat ]**

Select a repeat recording setting.

- **[ Once ]** : no repeat.
- **[ Daily ]** : repeat everyday.
- **[ Weekly ]** : repeat once in a week.
- **[ Mon~Fri ]** : repeat from Monday to Friday.

**[ Recording target ]**

Select to store this recording to the HDD or a recordable DVD.

3 Select the entry field, then press ▶.

4 Press the **alphanumeric buttons** (or ▲▼ buttons) to enter or select the recording information, then press **OK** to confirm.

5 Once complete, press the **Green** button **[ Store ]** to confirm the timer recording.

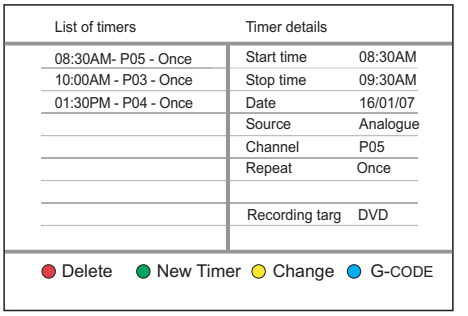
6 To exit, press **TIMER**.
↳ The 'TIMER' icon lights up on the display panel if a timer recording is set.

**Note**

- If the recorder is not in standby mode, a notification message is displayed before the timer recording begins. If you ignore the message, the recorder automatically switches to the respective channel and starts recording.

# Change/Delete a scheduled recording

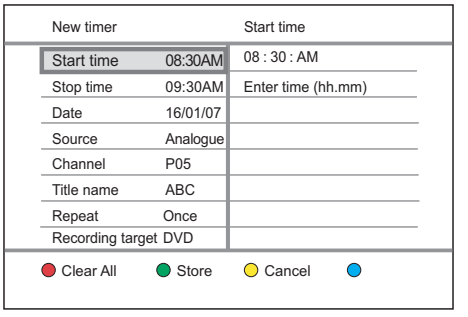
1 Press **TIMER**.




2 Select a scheduled recording which you want to delete or edit.

3 To delete the scheduled recording, press the **Red** button **[ Delete ]**.

4 To change the scheduled recording, press the **Yellow** button **[ Change ]**.




5 Make the necessary changes in the respective entry field.

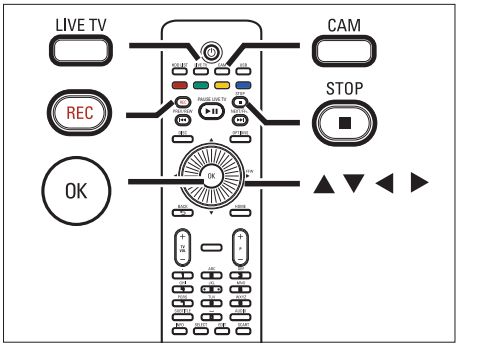
6 Once complete, press the **Green** button **[ Store ]** to confirm the timer recording.

7 To exit, press **TIMER**.

# Record from external devices

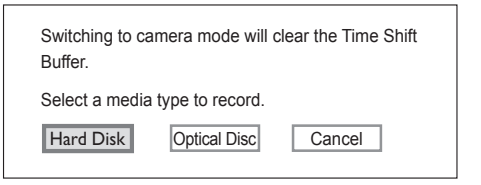
## Record from digital video camcorder

When you connect a digital video camcorder to the DV IN socket of this recorder, the camcorder playback can be controlled by on-screen DV control using the recorder's remote control.




1 Connect your Digital Video or Digital 8 camcorder to the **DV IN** socket of this recorder.

2 Press **CAM**.
↳ When you switch to camcorder mode, the Time Shift Buffer is cleared.



3 Select the destination for recording, then press **OK**.
- **[ Hard Disk ]** : record to hard disk.
- **[ Optical Disc ]** : record to a recordable DVD.

4 Turn on the digital video camcorder and start play.

5 Press **REC** at the point you want to start recording.

6 To use the recorder's remote control to control the camcorder's operation during recording, press the **Green** button **[ DV control ]**.
- Navigate to the respective control buttons on the screen to control the playback of your DV camcorder.

7 To stop recording, press **STOP** ■.
↳ Both the recorder and camcorder stop.

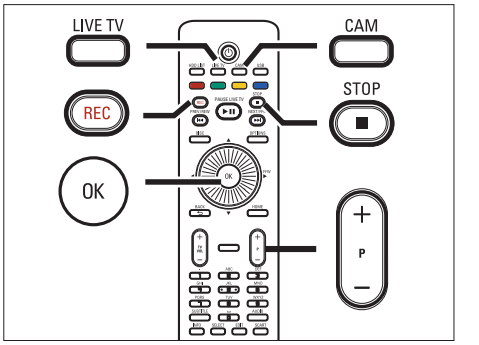
8 To exit, press **LIVE TV**.

**Tips**

- Some camcorders cannot be controlled by on-screen DV control buttons.
- If a part of the tape is blank, the recording will pause. Recording starts automatically when there is a recordable signal. However, if there is more than 5 minutes of blank tape, the recording ends automatically.
- Chapter markers are created at each break in the time code on the DV tape.

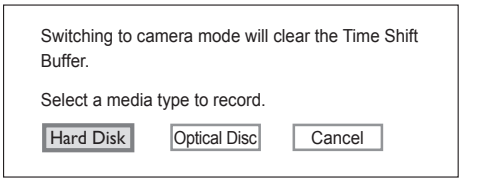
## Record from Camcorder/VCR/DVD player

You can choose to make a recording from the external device to the hard disk or a recordable DVD. Copy-protected material cannot be recorded on this recorder.




1 Connect the external device (e.g. camcorder, VCR, DVD player) to this recorder.

2 Press **CAM**.
↳ When you switch to camcorder mode, the Time Shift Buffer is cleared.




3 Select the destination for recording and press **OK**.
- **[ Hard Disk ]** : record to hard disk.
- **[ Optical Disc ]** : record to a recordable DVD.

4 Press P + / — repeatedly to select the correct input channel that matches the connected socket of the device.
   - [ CAM 1 ] : S-VIDEO or VIDEO socket at the front.
   - [ EXT 1 ] : EXT1 TO TV scart socket at the back.
   - [ EXT 2 ] : EXT2-TO VCR/SAT scart socket at the back.

5 Turn on the external device and find the place where you want the recording to begin, then put the external device to pause mode.

6 Press **REC** to start recording and start play the external device.
   - To pause/resume recording, press ▶II.
   - To add a chapter marker, press **OK**.

7 To stop recording, press **STOP** ■.
   ↳ A new title will be created when you begin another recording.

8 To exit, press **LIVE TV**.

# Simultaneous record and play

## Play the programme while it is being recorded

1 Rotate the control wheel anti-clockwise or press ◀ repeatedly on the remote control to return to the beginning of the recording.

## Play other programme or media while recording

### Play from HDD

1 Press **HDD LIST**.

2 Select a title to play, then press ▶II.

### Play from DVD

1 Press **OPEN CLOSE** ▲ on the recorder's front panel.

2 Insert a disc and start play.

### Play from USB

1 Insert a USB device to the USB socket.

2 Press **USB**.

3 Select a file to play, then press ▶II.

### Watch other TV programme

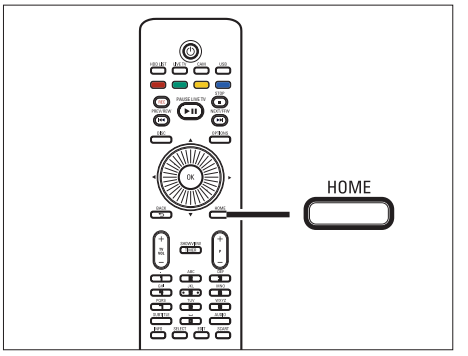
1 Use the TVs remote control to select a TV channel.

2 To view the playback from this recorder, switch the TV back to its correct viewing channel for this recorder.

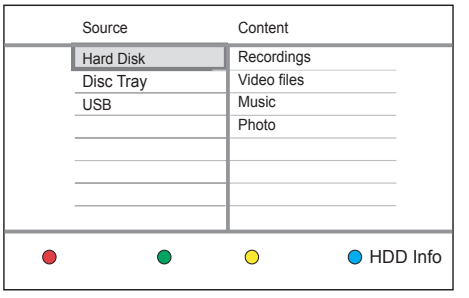
# 7 Main menu

## Select a play media

Home menu gives you access to the contents of various play media supported by this recorder. It also allows copying of recorded titles or data files among various media types.




1 Press **HOME**.




2 Select a play media, then press ▶.

- If the media or device is not available or not able to detect by the recorder, nothing will be shown.

**[ Hard Disk ]**

It serves as a media jukebox that allows you to store your TV programmes, videos, music and photos.

The following file formats are supported:

- MP3 and Windows Media Audio (.mp3 and .wma).
- JPEG digital camera photos (.jpg, .jpeg).
- DivX movies (.avi and .divx).

**[ Disc Tray ]**

Access disc's title list or content menu.

**[ USB ]**

Access USB device or camera content menu.

3 Navigate to the file which you want to play, then press ▶II.

- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **HOME**.

## Display media details

1 Press **HOME**.

2 Select a media, then press the **Blue** button on the remote control.

**[ HDD Info ]**

- Space available in video partition (TV recordings and DivX movies).
- Space used by protected/unprotected titles.
- Amount of time available for recording based on current record mode.
- Space available in data partition (music and photo files).

**[ DVDR Info ]**

- Disc name, type and status
- Total capacity of disc.
- Space available for recording.
- Space used by protected titles.

**[ USB Info ]**

- Name of the device.
- Total capacity of the device.
- Space available for recording.

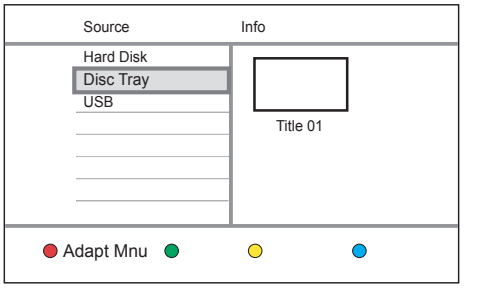
3 To exit the menu, press **HOME**.

## Adapt the recordable DVD format

If the recordable DVD has been used in a computer drive or in another recorder, the content menu may not be displayed correctly on this recorder. Thus, you have to adapt the menu format of this recordable DVD before use.

1 Insert a recordable DVD.

↳ The disc content menu is displayed. If not, press **DISC**.




2 Press the **Red** button **[ Adapt Mnu ]** on the remote control.

- If the adapt menu option is displayed, it means this disc has a different menu format.

3 Press **OK** to proceed.

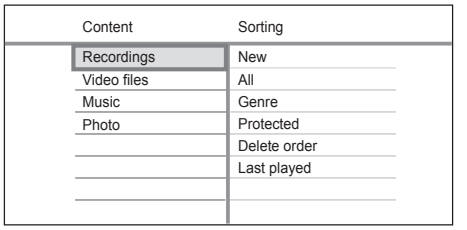
# 8 Play

## Play from hard disk

The Hard Disk drive serves as a media jukebox which allows you to store all sources of recordings (TV programmes, videos, music and photos). The titles recorded or copied to the hard disk will automatically be saved under separate contents based on the characteristics of the recordings.

1 Press **HOME**.

2 Select **[ Hard Disk ]**, then press ▶.




3 Select a recording content, then press ▶.

**[ Recordings ]**

Contains TV recordings.

**[ Video files ]**

Contains only DivX or compatible video files (.avi or .divx).

**[ Music ]**

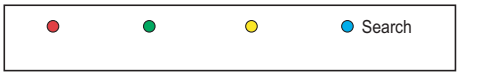
Contains only audio files (.mp3 or .wma).

**[ Photo ]**

Contains only picture files (.jpg or .jpeg).

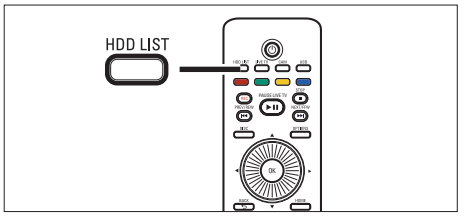
4 Select a title sorting option, then press ▶ to view the titles.

- The sorting options vary according to recording content.
- If title search is available, press the **Blue** button **[ Search ]** on the remote control. Then select a search option and press the **Red** button to start searching.

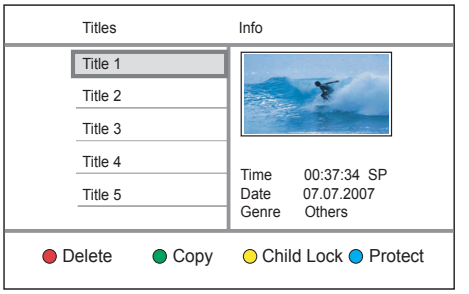



5 To exit the menu, press **HOME**.

# Play the recorded TV programmes




1 Press **HDD LIST**.




2 Select a title and press ▶II to play.

- Playback always resumes from the point where it was last stopped. To start play from the beginning, press **OK**.

### Symbols at [ Info ] menu

| Symbol | Description |
|---|---|
| | Title is marked for recording. |
| | Title is locked. |
| Ⓟ | Title is protected. |
| © | Title is copy-protected. |
| | Title has smart chapter setting that enables skipping of commercial blocks. |
| | Title has been viewed. |
| | Title has been edited. |

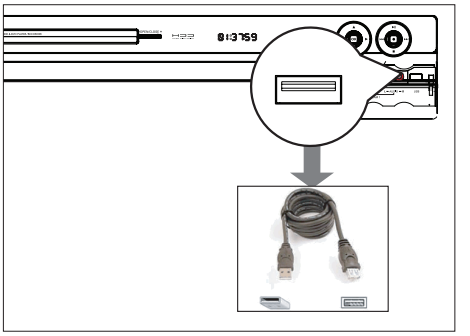
### Control play

When you watch a recorded title, you can have the following options:

| Button | Action |
|---|---|
| NEXT/FFW<br>PREV/REW | • Skip to the previous/ next chapter.<br>• Press and hold for fast backward/forward search. Press the button again to increase search speed (4x, 16x, 64x, 256x). |
| | Rotate the control wheel for fast and easy navigation within the title. |
| PAUSE LIVE TV | Pause/resume play. |
| INFO | Display or hide the information bar. |
| STOP | Stop play. |
| LIVE TV | Return to live TV broadcast. |
| (Yellow button) | Play the title repeatedly.<br>• To cancel, press the same button again. |
| (Blue button) | Mark two points within the title for repeat play.<br>• To cancel the repeat play, press the button again. |

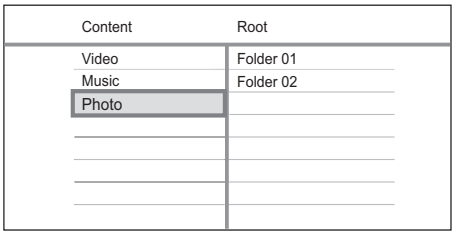
## Play from USB device

This recorder can only play/view MP3, WMA, DivX or JPEG files that are stored on such devices.



1 Connect a digital camera that comply with the PTP standard, USB flash drive, or USB memory card reader to the USB socket at the front panel of this recorder.

2 Press **USB**.




3 Select a file to play, then press ▶II.

- During play, the available play options are displayed at the bottom of the screen.
- For more information, see chapter 'Play music, Play photo or Play video' for details.

4 To stop play, press **STOP** ■ or remove the USB device the USB socket.

**Tip**

- If the device does not fit into the USB socket, connect it through a USB extension cable.

# Play from disc

## Playable discs

| | |
|---|---|
| | DVD Video (Digital Versatile Disc)<br>• Region 4 |
| | DVD±RW<br>(DVD Rewritable) |
| | DVD±R<br>(DVD Recordable) |
| | DVD+R DL (DVD+R Double Layer) |
| | CD-RW (CD-Rewritable)<br>• MP3/WMA/JPEG/DivX |
| | CD-R (CD-Recordable)<br>• MP3/WMA/JPEG/DivX |
| | Audio CD (Compact Disc Digital Audio) |
| | Video CD<br>• Formats 1.0, 1.1, 2.0 |
| | Super Video CD |

**Note**

- DVDs and DVD players are designed with regional restrictions. Before playing a disc, ensure the disc is for the same region zone as your player (indicated on its rear).

## Play a disc

**Caution!**

- Never place any objects other than discs into the disc tray.
- Never look into the laser beam inside the recorder.

1 Press and hold **STOP** ■ (or press **OPEN CLOSE** ▲ on the main unit) to open the disc tray.

2 Insert a disc with its label facing up.
- For double-sided discs, load the side which you want to play facing up.

3 Press and hold **STOP** ■ (or press **OPEN CLOSE** ▲ on the main unit) to close the disc tray.

4 To view disc play, turn on the TV to the correct viewing channel for the recorder.
↳ Playback starts automatically after the disc is read. If not, press ▶II.

5 To stop disc play, press **STOP** ■.

**Tips**

- If a menu is displayed, navigate to the title/track to play and press ▶II or **OK**.
- If the pin code entry dialogue is displayed, this means that the disc is locked. You have to enter your four-digit password.

# Play video

## Control a title

1 Play a title.

2 Use the remote control to control the title.

| Button | Action |
|---|---|
| PAUSE LIVE TV | Pause/resume play. |
| STOP | Stop play. |
| SELECT | Toggle between 'Title' and 'Chapter' control. |
| NEXT/FFW | Jump to the next title/ chapter. |
| PREV/REW | Return to the beginning of the current title/chapter or jump to the previous title/ chapter. |
| | Direct input the title/chapter number. |
| NEXT/FFW | Search forward (press and hold the button).<br>• To change search speed, press this button repeatedly. |
| PREV/REW | Search backward (press and hold the button).<br>• To change search speed, press this button repeatedly. |

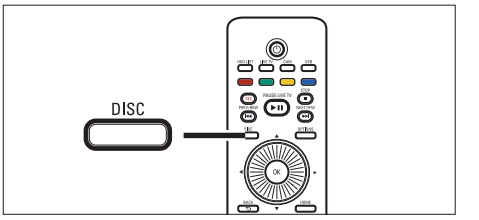
**Note**

- DVDs and DVD players are designed with regional restrictions. Before you play a disc, ensure the disc is for the same region zone as your player (indicated on its rear).
- For video discs, play always resumes from the point where it was last stopped. To start play from the beginning, press **OK**.
- The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

**Tips**

- When you search through a title or play in slow motion mode, the sound is muted.

## Access disc menu

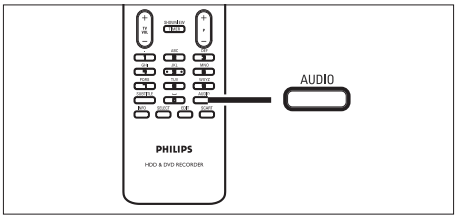



1 Press **DISC**.

2 Press ▲▼ to select a play option, then press **OK**.

- In some menus, you can use **alphanumeric buttons** to input your selection.
- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **DISC**.

## Select audio language

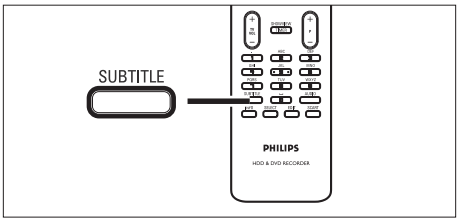



1 During play, press **AUDIO** until the desired language is selected.

Note

- Only applicable to discs with multiple audio language or channel.

## Select subtitle language




1 During play, press **SUBTITLE** until the desired language is selected.

Note

- Only applicable to discs with multiple subtitle language.

## Scan disc

Play the first 10 seconds of each title in a disc.

1 During play, press the **Red** button **[ Scan ]** on the remote control.
↳ The current title plays for 10 seconds, then skips to the next title.

2 To resume normal play, press the **Red** button again.

## Repeat play

1 During play, press the **Yellow** button **[ Repeat ]** on the remote control to cycle through various repeat options: repeat chapter > repeat title > entire disc.
- Repeat play options vary depending on the disc type.

2 To cancel repeat play, press the **Yellow** button repeatedly until the repeat mode is off.

## Repeat a specific section (A-B)

1 Find the point where the repeat play should start, then press the **Blue** button **[ Repeat A-B ]** on the remote control.

2 Press ▶▶| to find the point where the repeat play should stop, then press the **Blue** button again to mark.
↳ Play skips to the start of the marked section and begins repeat play.

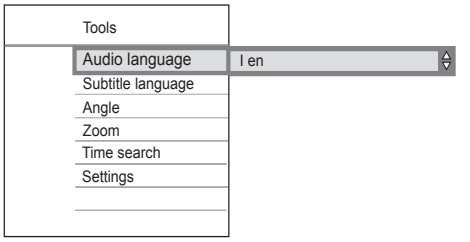
3 To cancel repeat play, press the **Blue** button again.

Note

- The marked section for repeat play is only possible within a chapter/track.

## Other video play options

1 During play, press **OPTIONS**.




2 Select an option, then press ▶ or **OK**.

**[ Subtitle language ]**

Select subtitle language.

**[ Audio language ]**

Select audio language/soundtrack.

**[ Angle ]**

Select scenes recorded from different camera angles.

**[ Zoom ]**

Activate zoom mode.

- To enlarge the picture, press the **Blue** button.
- To revert to the actual size, press the **Yellow** button.
- To pan through the picture, press the cursor buttons.
- To exit zoom mode, press the **Red** button.

**[ Character set ]**

Select the character set that matches the recorded DivX® subtitle language.

**[ Time search ]**

Press **alphanumeric buttons** to enter the time (hours : minutes : seconds) where you want to start play.

3 Press **OK** to confirm.

4 To exit the menu, press **OPTIONS**.

## Play DivX® video

DivX video is a digital media format that retains high quality despite a high rate of compression. This recorder is DivX® Certified so that you can enjoy DivX video.

1 Press **HOME**.

2 Select the media (HDD, Disc Tray or USB) where the DivX videos are stored, then press ▶.

3 Select **[ Video ]** and navigate to the title you want to play, then press ▶II.

4 Use the remote control to control the title.

| Button | Action |
|---|---|
| SUBTITLE | Change subtitle language |
| AUDIO | Change audio language/track. |
| OPTIONS | Access character set option. |
| STOP | Stop play. |

**Note**

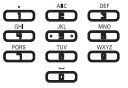
- Only those DivX videos that were rented or purchased using the DivX registration code of this recorder can be played (see 'Setup settings - Display software version and DivX registration code' for details).
- The subtitle can only be displayed up to an average of 45 characters.
- This recorder can play DivX video files that are up to 4GB in size.

# Play music

## Control a track

1 Play a track.

2 Use the remote control to control the track.

| Button | Action |
|---|---|
| PAUSE LIVE TV | Pause/resume play. |
| STOP | Stop play. |
| NEXT/FFW | Jump to the next track. |
| PREV/REW | Return to the beginning of the current track or jump to the previous track. |
|  | Direct input the track number. |
| NEXT/FFW | Search forward (press and hold the button). |
| PREV/REW | Search backward (press and hold the button). |

## Scan disc

Play the first 10 seconds of each track in a disc.

1 During play, press the **Red** button on the remote control.
   ↳ The current track plays for 10 seconds, then skips to the next track.

2 To resume normal play, press the **Red** button again.

## Shuffle play

Play CD tracks or audio files in random order.

1 During play, press the **Green** button on the remote control to start shuffle play.

2 To cancel shuffle play, press the **Green** button again.

## Repeat play

Repeat play options vary depending on the disc type.

1 During play, press the **Yellow** button on the remote control to cycle through various repeat options.
   • Repeat play options vary depending on the disc type: repeat track/ folder/ playlist/ entire disc.

2 To cancel repeat play, press the **Yellow** button repeatedly until the repeat mode is off.

## Play MP3/WMA music

MP3/WMA is a type of highly compressed audio file (files with .mp3 or .wma extensions).

1 Press **HOME**.

2 Select the media (HDD, disc or USB) where the music files are stored, then press ▶.

3 Select **[ Music ]** and navigate to the track you want to play, then press ▶II.

- To return to the root menu, press ▲.

**Note**

- For CDs recorded in multiple sessions, only the first session is played.
- This recorder does not support MP3PRO audio format.
- If any special characters are present in the MP3 track name (ID3) or album name, it might not be displayed correctly on the screen because these characters are not supported.

# Play photo

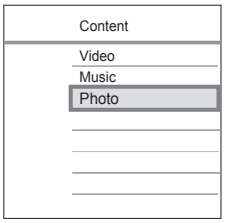
## Play photos as slideshow

This recorder can play JPEG photos (files with .jpeg or .jpg extensions).

1 Press **HOME**.

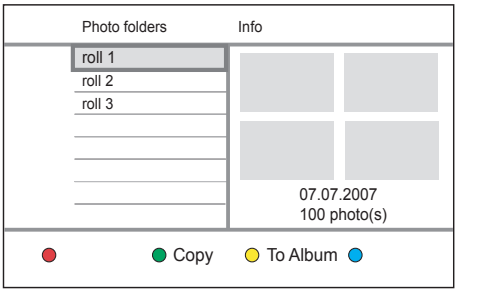
2 Select the media (HDD, disc or USB) where the JPEG photos are stored, then press ▶.

3 Select **[ Photo ]**, then press ▶.




- When you view JPEG photos from hard disk, select **[ Photo folders** ] or **[ Photo albums** ] in the menu and press ▶.

4 Navigate to the folder/album you want to play.




- To see a thumbnail preview of all the photos in this folder/album, press **OK**.

5 Press ▶II to start slideshow play.

## Control photo play

1 During play, press **INFO** to display the control options at the bottom of the screen.

2 Use the remote control to control the photo or slideshow.

| Button | Action |
|---|---|
| PAUSE LIVE TV ▶II | Pause/resume play. |
| STOP ■ | Stop play. |
| (Red button) | Activate zoom mode or exit zoom mode.<br>• Play will pause while in zoom mode. |
| (Green button) | Turn on or off the repeat play mode. |
| (Yellow button) | • Slow down slideshow play speed.<br>• In zoom mode, revert to the actual picture size. |
| (Blue button) | • Speed up slideshow play speed.<br>• In zoom mode, enlarge the picture. |

**Tip**

- You can view a customised series of photos from different photo folders by organising the photos from existing photo folders into a photo album.

**Note**

- It may require longer time for the recorder to display the disc content on the TV due to the large number of songs/photos compiled onto one disc.
- Some types of JPEG file cannot be played on this recorder.
- Unreadable disc or disc with no name will be displayed as **[ Unknown Data** ].
- If the JPEG photo is not recorded with an 'exif' type file, the actual thumbnail picture will not be shown on the display. It will be replaced with a 'blue mountain' thumbnail picture.
- This recorder can only display digital camera pictures according to the JPEG-EXIF format, typically used by almost all digital cameras. It cannot display Motion JPEG and pictures in formats other than JPEG, or sound clips associated with pictures.
- The JPEG photos with resolution more than 13 megapixel cannot be supported.
- During JPEG photo play, press **OPTIONS** button switches to live TV mode.

## Create photo album

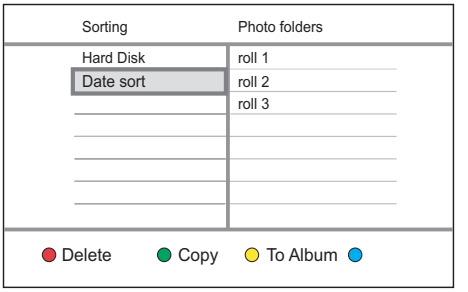
The JPEG photos that you load from discs or other devices are kept in separate photo folders on the hard disk. You can select photos from different photo folders and organise them into a photo album.

**Note**

- This feature is only available for photos stored on the Hard Disk.
- This recorder can store up to 100 albums. Each album can contain up to 100 photos.

1 Press **HOME**.

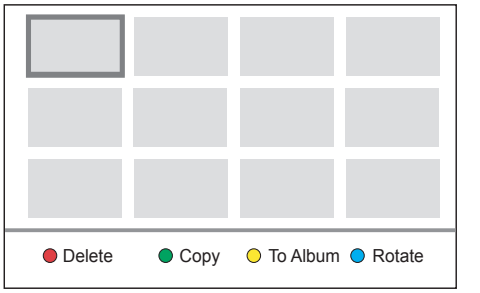
2 Select **[ Hard Disk ]** > **[ Photo ]** > **[ Photo folders ]**, then press ▶.




3 Select a folder.

4 To add all the photos in this folder into an album, press **SELECT**.
- Repeat the above step to select more folders.

5 To add a specific photos in this folder into an album, press **OK** to see a thumbnail preview of all the photos.




6 Select the photo to add, then press **SELECT**.
- Repeat the above step to select more photos.
- To deselect a photo, press **SELECT** again.

7 Press the **Yellow** button **[ To Album ]** on the remote control.
↳ **[ Add Photo to Album ]** menu is displayed.

8 Select **[ New album ]** or an existing album folder, then press **OK** to add the photo(s) to it.

9 To exit the menu, press **HOME**.

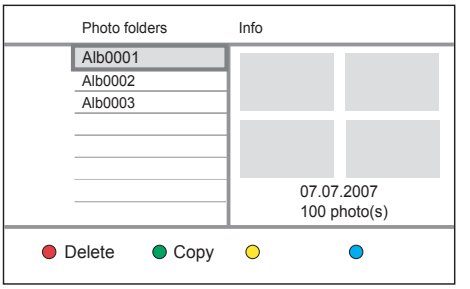
## Edit album

You can:

- Delete albums
- Change the album name
- Change the album date

1 Press **HOME**.

2 Select **[ Hard Disk ]** > **[ Photo ]** > **[ Photo albums ]**, then press ▶.




3 Select an album.

**To delete the album**

- Press the **Red** button **[ Delete ]** on the remote control.

**To change the album name or date**

- Press **EDIT**.

4 Select the change option and press **OK**.

- **[ Album name ]** : change the name of this album.
- **[ Edit date ]** : change the album date.

5 Make the changes and press **OK**.

6 To exit the menu, press **EDIT**.

## Edit photos in an album

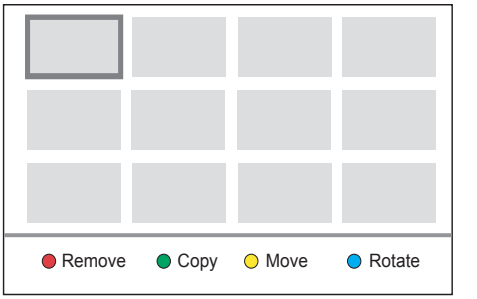
You can:

- Change the position of photos
- Rotate photos
- Remove photos

1 Press **HOME**.

2 Select **[ Hard Disk ]** > **[ Photo ]** > **[ Photo albums ]**, then press ▶.
↳ A list of photo albums is displayed.

3 Select an album, then press **OK**.




4 Select a photo or press **SELECT** to select multiple photos.

**To remove the photo(s)**

- Press the **Red** button [ **Remove ]** on the remote control.

**To change the photo position**

- Press the **Yellow** button **[ Move ]** on the remote control, then navigate to the new position in the menu and press **OK**.

**To rotate the photo(s)**

- Press the **Blue** button **[ Rotate ]** on the remote control, then press **OK** to confirm.

5 To exit the menu, press **HOME**.

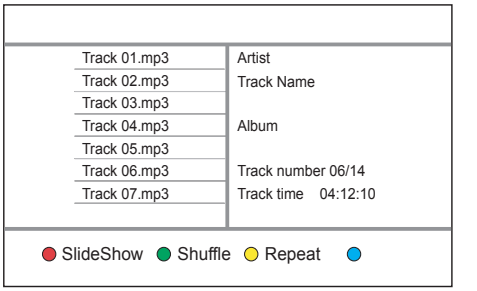
Note

- When you edit the photos in an album, the original photos in the photo folders are not affected.

## Play musical slideshow

Play MP3/WMA music files and JPEG photo files simultaneously to create musical slideshow. The MP3/WMA and JPEG files must be stored on the same disc, USB device or hard disk.

1 Play MP3/WMA music.




2 Press the **Red** button **[ SlideShow ]** on the remote control .
↳ **[ Photo Content ]** menu is displayed.

3 Select a folder/album, then press ▶II to start slideshow play.
↳ Slideshow begins and continues till the end of the photo folder or album.
↳ Audio continues to play till end of the disc or playlist.

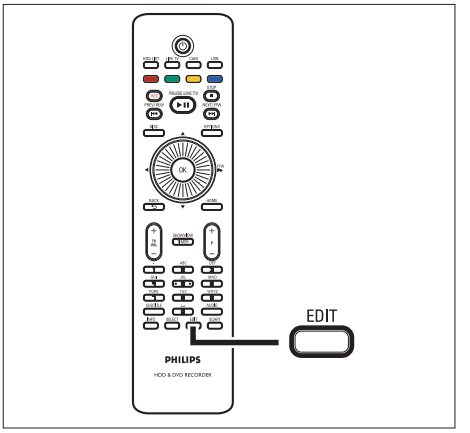
4 To stop slideshow play, press **STOP** ■.

# 9 Edit recordings

## Edit titles in the hard disk

You can:

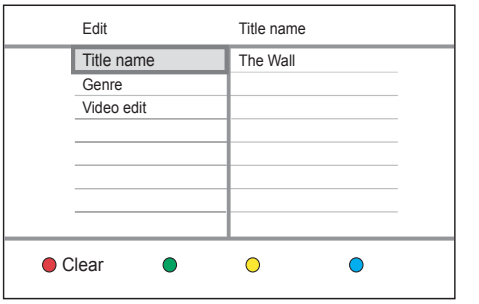
- Change title name
- Assign title genre
- Delete title
- Lock/Unlock title
- Protect/Unprotect title




### Change title name

1 Press **HDD LIST**.
↳ The list of recorded titles is displayed.

2 Select a title, then press **EDIT**.




3 Select **[ Title name ]**, then press ▶.
- To clear the title name, press the **Red** button **[ Clear ]** on the remote control.

4 Press ▲ ▼ (or the **alphanumeric buttons**) to enter the name.

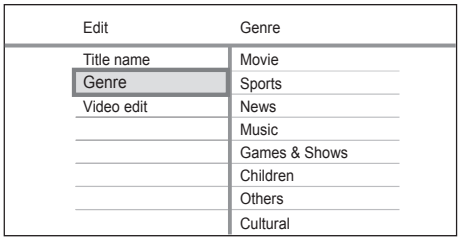
5 Press **OK** to confirm.
- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **EDIT**.

## Assign title genre

Select the genre type provided in the list for easy and fast searching of a recorded title.

1 Press **HDD LIST**.
↳ The list of recorded titles is displayed.

2 Select a title, then press **EDIT**.




3 Select **[ Genre ]**, then press ▶.

4 Select a genre for the title, then press **OK**.
- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **EDIT**.

## Delete title

1 Press **HDD LIST**.
↳ The list of recorded titles is displayed.

2 Select a title, then press the **Red** button **[ Delete ]** on the remote control.
↳ A warning message is displayed.

3 To confirm delete, select **[ Delete ]** in the menu and press **OK**.

## Lock/Unlock title

Classify titles that are unsuitable for children as locked titles. When you turn on the child lock setting, these titles are locked with a password. You can lock up to 50 titles or discs.

1 Press **HDD LIST**.
↳ The list of recorded titles is displayed.

2 Select a title, then press the **Yellow** button on the remote control to lock the title.

**To watch a locked title**
- Press ▶II, then enter the password.

**To unlock the title**
- Press the **Yellow** button **[ Chld Unlck ]**, then enter the password.

Tip

- If this option is not shown on the display, you have to turn on the child lock setting (see 'Adjust settings - Playback settings > **[ Access ]**' for details).

## Protect/Unprotect title

Protect important titles against editing or automatic deletion by the recorder in order to make space for new recordings.

1 Press **HDD LIST**.
↳ The list of recorded titles is displayed.

2 Select a title, then press the **Blue** button on the remote control to protect/ unprotect the title.

Tip

- Unprotect a title before you edit or delete it.

# Edit titles in a recordable DVD

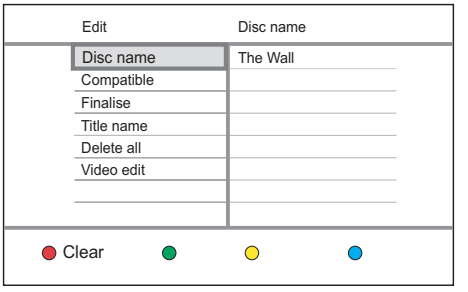
You can:

- Change disc/title name
- Delete title
- Lock/Unlock disc
- Protect/Unprotect title

## Change disc/title name

1 Insert a recordable DVD.
   ↳ The disc content menu is displayed. If not, press **DISC**.

2 Select a title, then press **EDIT**.




3 Select **[ Disc name ]** or **[ Title name ]** in the menu, then press ▶.
   - To clear the title name, press the **Red** button for **[ Clear ]**.

4 Press ▲ ▼ (or the **alphanumeric buttons**) to enter the name.

5 Press **OK** to confirm.
   - To return to the previous menu, press **BACK** ↩.
   - To exit the menu, press **EDIT**.

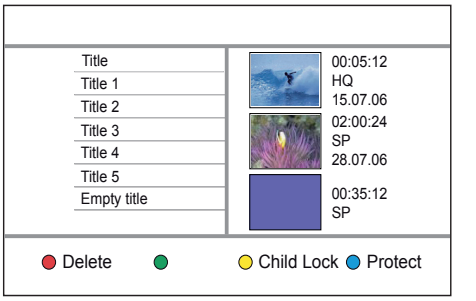
## Delete title

**Note**

- When delete a title from DVD RW, the empty space can be used to store new recordings.
- When delete a title from DVD R, the empty space cannot be used to store new recordings.

1 Insert a recordable DVD.
   ↳ The disc content menu is displayed. If not, press **DISC**.

2 Select a title.




### To delete a title

- Press the **Red** button **[ Delete ]** on the remote control.

### To delete all titles

- Press **EDIT**, then select **[ Delete all ]** in the menu and press **OK**.

3 To confirm delete, select **[ Delete ]** or **[ Erase ]** in the menu and press **OK**.

## Lock/Unlock disc

Classify discs that are unsuitable for children as locked discs. When you turn on the child lock setting, these discs are locked with a password. You can lock up to 50 titles or discs.

1 Insert a disc.
   ↳ The disc content menu is displayed. If not, press **DISC**.

2 Press the **Yellow** button on the remote control to lock/unlock the disc.

**To watch a locked disc**

- Press ▶II, then enter the password.

**To unlock the disc**

- Press the **Yellow** button for **[ Chld Unlck ]**, then enter the password.

Tip

- If this option is not shown on the display, you have to turn on the child lock setting (see 'Adjust settings - Playback settings > **[ Access ]**' for details).

## Protect/Unprotect title

Titles recorded on DVD RWs can be protected from being edited or deleted.

1 Insert a DVD RW.
   ↳ The disc content menu is displayed. If not, press **DISC**.

2 Select a title, then press the **Blue** button on the remote control to protect/unprotect the title.

Tip

- Unprotect a title before you edit or delete it.

# Edit video

You can edit the recorded titles (video) on the hard disk or a recordable DVD.

- Split/merge/delete chapters
- Delete all chapters
- Divide title
- Hide scenes
- Reveal hidden scenes
- Change index picture (recordable DVD)

## Split/merge chapters

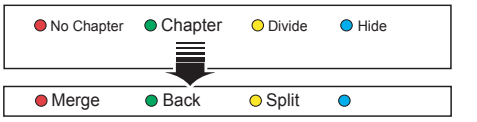
Chapters are found in a title for easy navigation. You can add more chapters or remove some chapters in a title.

1 Play a title.

2 Rotate the control wheel (or press ◀ ▶) to find the scene where you want to add or remove the chapter.

3 Press ▶II to pause.

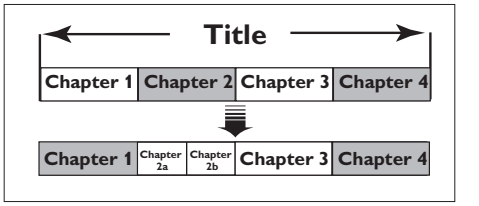
4 Press **EDIT**.




5 Press the **Green** button **[ Chapter ]** on the remote control.

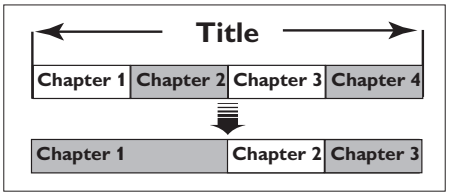
**To add a chapter**

- Press the **Yellow** button **[ Split ]** on the remote control.



To remove a chapter before it

- Press the **Red** button **[ Merge ]** on the remote control.




6 To return to the previous menu, press the **Green** button.

- To exit the menu, press **EDIT**.

Note

- The number of chapters that can be added in a title is limited.

## Delete all chapters

Remove all chapters from a title so that the title is no longer separated into individual chapters.

1 Play a title.

2 Press **EDIT**.

3 Press the **Red** button **[ No Chapter ]** on the remote control.
↳ All the chapters are deleted.

4 To exit the menu, press **EDIT**.

## Divide titles

Divide a title into two titles. It allows you to separate different parts of a recording, or separate unwanted parts of a recording. These unwanted titles can be deleted later.

Note

- Once a title has been divided into two separate titles, they cannot be reversed.
- Divide title is not possible on DVD Rs.

1 Play a title.

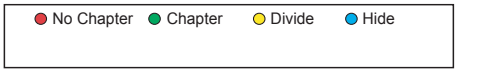
2 Rotate the control wheel (or press ◄ ►) to find the scene where you want to divide the title.

3 Press ►II to pause.

4 Press **EDIT**.

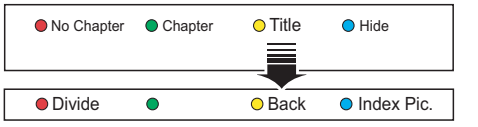
For titles in the hard disk

- To divide, press the **Yellow** button **[ Divide ]** on the remote control.




For titles in a DVD RW

- To divide, press the **Yellow** button **[ Title ]** on the remote control, then press the **Red** button **[ Divide ]**.




5 To exit the menu, press **EDIT**.
↳ A new title is created in the HDD list or the disc content menu.

## Hide scenes

Hide the unwanted parts in a title (e.g., hide the commercial scenes). The next time you watch this title, the hidden parts are skipped.

1 Play a title.

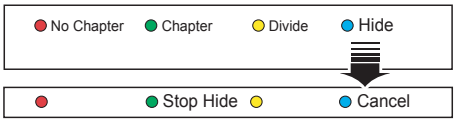
2 Rotate the control wheel (or press ◄ ►) to find the scene where you want to start hide.

3 Press ►II to pause.

4 Press **EDIT**.

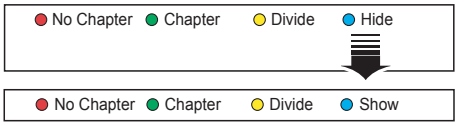
**For titles in the hard disk**

- To start to hide, press the **Blue** button **[ Hide ]** on the remote control.
- To stop hide, press the **Green** button **[ Stop Hide ]** on the remote control.




**For titles in a DVD RW**

- To start to hide, press the **Blue** button **[ Hide ]** on the remote control.
- To stop hide, press the **Blue** button **[ Show ]** on the remote control.




5 Rotate the control wheel (or press ◄ ►) to find the scene where you want to stop hide.

6 To exit the menu, press **EDIT**.
↳ The hidden parts are marked in blue on the video bar.

## Reveal hidden scenes

**Note**

- The hidden parts can only be viewed in video editing mode.

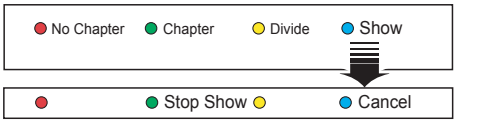
1 During play, press **EDIT**.
↳ All hidden scenes are played.

2 Rotate the control wheel (or press ◄ ►) to find the scene where you want to reveal.

3 Press ►II to pause.

**For titles in the hard disk**

- To unhide a scene, press the **Blue** button **[ Show ]** on the remote control.
- If you want to set the point to stop show, press the **Green** button **[ Stop show ]** on the remote control.




**For titles in a DVD RW**

- To unhide a scene, press the **Blue** button **[ Show ]** on the remote control.

4 To exit the menu, press **EDIT**.

## Change index picture

The Index Pictures are the screen shots of the recorded titles on a recordable DVD.

1 Play a title.

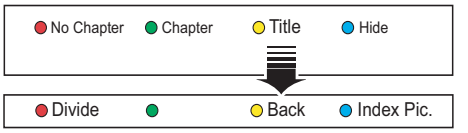
2 Rotate the control wheel (or press ◄ ►) to find the scene that you want to place as the index picture.

3 Press ►II to pause.

4 Press **EDIT**.

5 Press the **Yellow** button **[ Title ]** on the remote control.

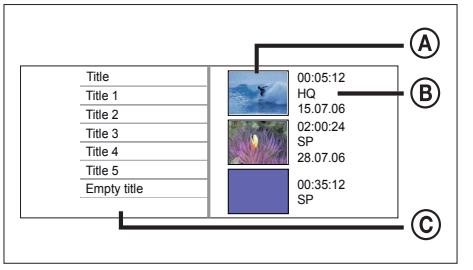
6 Press the **Blue** button **[ Index Pic ]**.




7 To confirm, select **[ Yes ]** in the menu and press **OK**.

8 To exit the menu, press **EDIT**.

### About Index Picture




An Index Picture screen represents each recording information save:

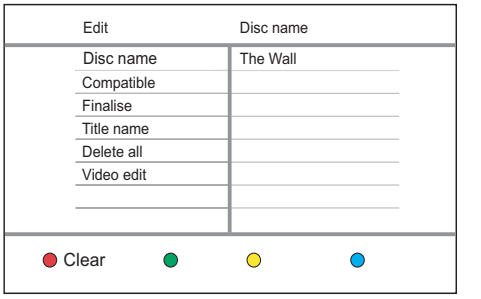
Ⓐ The title's Index Picture.
Ⓑ The title's information (length of recording, record mode and date).
Ⓒ The empty space for recording.

## Make recordable DVDs play on other DVD players

After recording or copying to recordable DVDs, you need to go through this step to ensure that the recordable DVD can be played on other DVD players.

1 Insert a recordable DVD.
↳ The disc content menu is displayed. If not, press **DISC**.

2 Press **EDIT**.




**For DVD RW**

- Select **[ Compatible ]** in the menu, and press **OK**.

**For DVD R**

- Select **[ Finalise ]** in the menu and press **OK**. Then, press **OK** again to confirm.

3 To exit the menu, press **EDIT**.

Note

- For DVD RWs: after you edit titles on a DVD RW, some discs may not play correctly on other DVD players because they are not compatible.
  You must update the format of the DVD RW.
- If you cannot access **[ Compatible ]** option, this means that the DVD RW is already compatible.
- For DVD Rs: you must finalise DVD Rs before they can be played on other DVD players. Otherwise, it can only be played on this recorder.
- After a DVD R has been finalised, no further recordings or editing can be made to it. Ensure that you have completed all the recordings and editing before finalising the disc.
- Finalisation may take more than 30 minutes, depending on the length of recordings.
- Do not try to open the disc tray or turn the power off as this may render the disc unusable.

# 10 Copy

## About copy

You can copy DivX, MP3, WMA or JPEG files from hard disk to recordable DVD/USB device or vice versa; and even directly between USB and recordable DVD. The recorded TV programmes in the hard disk can only be copied to recordable DVD. However, you cannot copy the TV programmes and data files to a same recordable DVD.

The data files copied to the hard disk will be automatically saved under separate contents based on the characteristic of the recordings.

| Contents | File types |
|---|---|
| Video files | DIVX, AVI |
| Music | MP3, WMA |
| Photo | JPG, JPEG |

The amount of time required to copy titles depending on the quality level (record mode) set on the recorded titles. It is not possible to change the quality level for copying.

| HDD recording mode | Hours of recordings can be stored in an empty 4.7GB recordable DVD | Time required for copying 1 hour of recording |
|---|---|---|
| HQ | 1 | 15.0 mins |
| SP | 2 | 8.0 mins |
| SPP | 2.5 | 7.0 mins |
| LP | 3 | 6.0 mins |
| EP | 4 | 4.5 mins |
| SLP | 6 | 3.5 mins |
| SEP | 8 | 2.5 mins |

Note

- It is not possible to copy recorded TV programmes to an USB device.
- If you are unable to fit a title to a recordable DVD, divide the title to remove the unwanted sections (see chapter 'Edit recordings - Edit video' for details).

## Copy to hard disk

Only Data files (MP3, WMA, DIVX, AVI and JPEG) can be copied to hard disk.

1 Select the source you want to copy from.

**To copy from disc**

- Insert a disc, then press **DISC**.

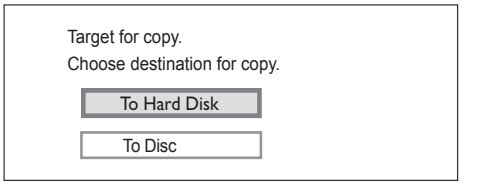
**To copy from USB device**

- Insert a USB device, then press **USB**.

2 Select a title to copy.

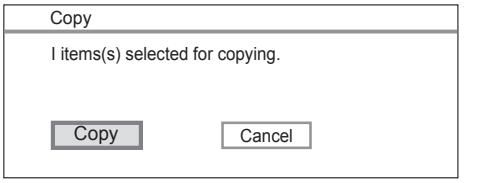
- To copy more than one item, press **SELECT** to mark the items. This is only possible within the same folder.

3 Press the **Green** button **[ Copy ]** on the remote control.




- To return to the previous menu, press **BACK** ⮌.

4 Select **[ To Hard Disk ]**, then press **OK**.




5 Press **OK** again to start copy.

↳ The recorder switches to live TV while copying in progress. Once complete, the content menu is displayed.

## Copy to recordable DVD

1 Insert a recordable DVD.

2 Select the source you want to copy from.

**To copy from hard disk**

- Press **HOME,** select **[ Hard Disk ]** and press ▶.

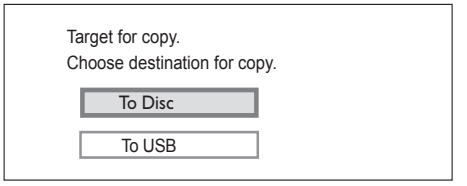
**To copy from USB device**

- Insert a USB device, then press **USB**.

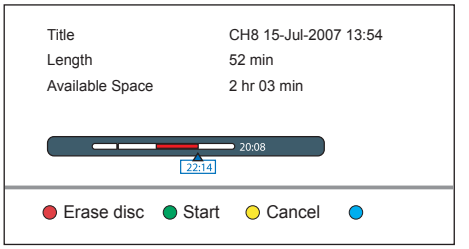
3 Select a title to copy.

- To copy more than one item, press **SELECT** to mark the items. This is only possible within the same folder.

4 Press the **Green** button **[ Copy ]** on the remote control.




5 Select **[ To Disc ]**, then press **OK**.




- For DVD RW, you can press ⏮ / ⏭ to select the space to copy.

6 Press the **Green** button to start copy.

↳ The recorder switches to live TV while copying in progress. Once complete, the content menu is displayed.

## Copy to USB device

Only Data files (MP3, WMA, DIVX, AVI and JPEG) can be copied to USB device.

1 Insert a USB device.

2 Select the source you want to copy from.

**To copy from hard disk**

- Press **HOME,** select **[ Hard Disk ]** and press ▶.

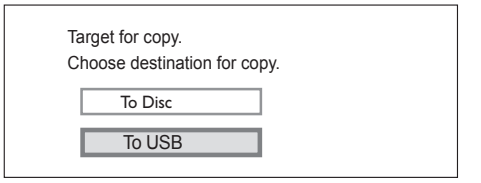
**To copy from disc**

- Insert a disc, then press **DISC**.

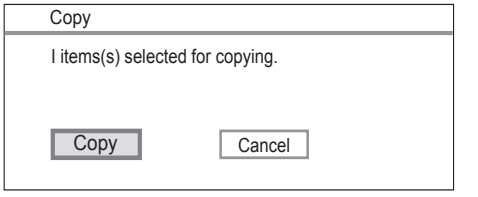
3 Select a data file to copy.

- To copy more than one item, press **SELECT** to mark the items. This is only possible within the same folder.

4 Press the **Green** button **[ Copy ]** on the remote control.




5 Select **[ To USB ]**, then press **OK**.




6 Press **OK** again to start copy.

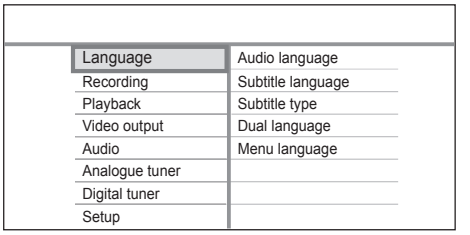
↳ The recorder switches to live TV while copying in progress. Once complete, the content menu is displayed.

# 11 Adjust settings

This section describes the various setting options of this recorder.

- Language setting
- Recording setting (see pages 29~31)
- Playback setting
- Video output setting
- Audio setting
- Analogue tuner setting
- Digital tuner setting
- Setup setting

## Language settings




1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Language ]**, then press ▶.

3 Select an option, then press ▶.

**[ Audio language ]**

Select the default audio language for Digital Terrestrial Tuner (DTT) reception, DVDs, VCDs and recordable DVD with 5.1 multi-channel audio.

**[ Subtitle language ]**

Select the default subtitle language for Digital Terrestrial Tuner (DTT) reception and DVDs.

**[ Subtitle type ]**

Select the type of subtitle for Digital Terrestrial Tuner (DTT) reception that comes with multiple subtitle types.

- **[ Off ]** – no subtitle is displayed.
- **[ Normal ]** – display normal subtitles.
- **[ Hard of hearing ]** – display special subtitles. For example, descriptions for sound and action.

**[ Dual language ]**

Select the language in which you want to record if the analogue TV programmes transmit two languages.

- **[ Lang. I ]** – original broadcast language.
- **[ Lang. II ]** – additional audio language.

**[ Menu language ]**

Select the default on-screen menu language.

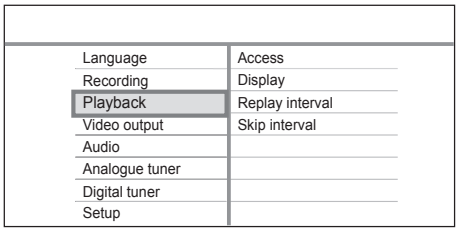
4 Select a setting, then press **OK**.

- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **OPTIONS**.

Note

- If the language you have set is not available on the disc, the disc uses its own default language.
- For some DVDs, the subtitle/audio language can only be changed from the disc menu.

# Playback settings




## Set play restriction and password

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Playback ]** > **[ Access ]**, then press ▶.

3 Select an option, then press ▶.

**[ Child lock ]**

Set play restriction for discs and recorded titles on the hard disk.

- **[ On ]** – restrict access to all discs; enable option to lock/unlock recorded titles.
- **[ Off ]** – all discs can be played; recorded titles cannot be locked.

**[ Change PIN ]**

Follow the instructions on the screen to set or change the password for locked discs and titles.

4 Select a setting, then press **OK**.

- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **OPTIONS**.

**Note**

- A four-digit password must be entered in order to play or unlock the locked discs and titles.
- If you forget your four-digit password, key in '1504' before you enter any four-digit you prefer to reset your password.
- If the child lock is turned on, you can press the Yellow button on the remote control to lock/unlock a recorded title on the hard disk.
- This recorder can memorise up to 50 discs settings.

## Set display options

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Playback ]** > **[ Display ]**, then press ▶.

3 Select an option, then press ▶.

**[ OSD ]**

Determine the detail level for displayed information.

- **[ Full ]** – display all information.
- **[ Reduced ]** – help text and colour button bar will not be displayed.

**[ Front panel brightness ]**

Change the brightness level of the display on the front panel to suit the lighting in your room.

- **[ Bright ]** – normal brightness.
- **[ Dimmed ]** – medium brightness.
- **[ Off ]** – turn off the display.

4 Select a setting, then press **OK**.

- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **OPTIONS**.

## Set play options

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Playback ]**, then press ▶.

3 Select an option, then press ▶.

**[ PBC ]**

For VCDs/SVCDs recorded with PBC (playback control), you can access the disc content through an interactive menu.

- **[ On ]** – an index menu is displayed when you load a disc for play.
- **[ Off ]** – skip the menu and start play from the first title.

**[ Replay interval ]**

When you watch live TV, you can press ◀ on the remote control for instant replay. Set the length of the skipped interval (default setting is one minute).

- Enter the time in minutes and seconds. The maximum interval can be set is 59 minutes and 59 seconds.

**[ Skip interval ]**

When you watch live TV, you can press ▶ on the remote control to skip to a scene that was broadcast. Set the length of the skipped interval (default setting is one minute).

- Enter the time in minutes and seconds. The maximum interval can be set is 59 minutes and 59 seconds.

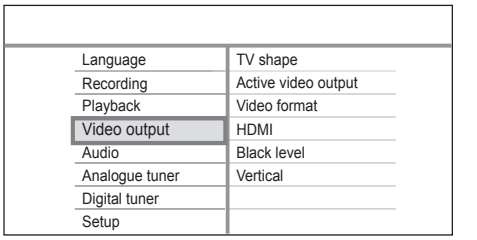
4 Select a setting, then press **OK**.

- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **OPTIONS**.

**Note**

- PBC option is only visible when a VCD/SVCD is loaded in the disc tray.

## Video output settings




1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Video Output ]**, then press ▶.

3 Select an option, then press ▶.

**[ TV shape ]**

Select the screen format according to how you want the picture to appear on your TV.

- **[ 4:3 Letterbox ]** – for standard TV, a 'wide-screen' display with black bars on the top and bottom.
- **[ 4:3 Panscan ]** – for standard TV, a full-height picture display with the sides trimmed.
- **[ 16:9 Widescreen ]** – for wide-screen TV (frame ratio 16:9).

[ Active video output ]

Select the video output format that matches the video connection between this recorder and your TV.

- **[ Comp. Video (YUV) ]** – for Component video connection. If you TV supports progressive scan format, you can enable the progressive scan mode at **[ Video format ]** setting.
- **[ HDMI out ]** – for HDMI connection.

[ Video format ]

For Component video connection, choose between progressive and interlaced video format. Check your TV for compatibility.

- **[ Progressive** ] – turn on progressive scan mode.
- **[ Interlaced ]** – for TV that is not compatible with progressive-scan video.

[ HDMI ]

Select the video resolution for HDMI connection.

- **[ Auto ]** – automatically select the best supported video resolution.
- **[ Native ]** – select the native video resolution.
- **[ Manual ]** – manually select a video resolution that compatible with your TV.

[ Black level ]

Improve the colour contrast when you play NTSC-compatible DVDs.

- **[ Normal ]** – normal colour contrast.
- **[ Enhanced ]** – improved colour contrast and brighten the picture.

[ Vertical ]

Adjust the vertical position of the picture on your TV (only available when the progressive scan mode is enabled).

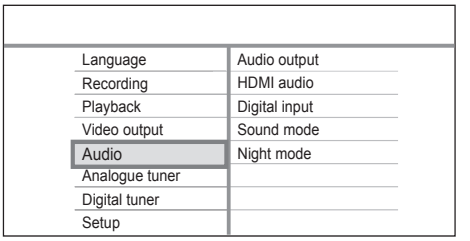
4 Select a setting, then press **OK**.

- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **OPTIONS**.

Note

- If your TV goes blank after changing a setting, the setting may be incompatible with your TV. Wait for 15 seconds for auto recover.

# Audio settings




1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Audio ]**, then press ▶.

3 Select an option, then press ▶.

**[ Audio output ]**

When you connect a digital audio device through the COAXIAL/OPTICAL OUT socket, select an output format that matches its capabilities.

- **[ All ]** – the device supports multi-channel audio formats.
- **[ PCM only ]** – the device does not support multi-channel formats. Multi-channel audio will be converted to PCM (Pulse Code Modulation) format.

**[ HDMI audio ]**

When you connect a HDMI or DVI TV through the HDMI OUT socket, select the audio output setting.

- **[ Auto ]** – automatically select the best supported audio output format.
- **[ Disable ]** – disable HDMI audio output. In this case, an alternative audio connection is required from the recorder to your TV.

**[ Digital input ]**

When you connect the digital audio output from your Cable Box/Satellite Receiver to the COAXIAL DIGITAL IN socket, select the audio input setting.

- **[ Off ]** – disable digital audio input. Only stereo audio format will be recorded.
- **[ On ]** – enable digital audio input. When you make a recording from this device, the 5.1 multi-channel audio will be recorded, along with the video.

**[ Sound mode ]**

When you connect an audio device through the AUDIO OUT socket, select an output format that matches it capabilities.

- **[ Stereo ]** – the divide supports only left and right audio channels. Select this setting when a TV or stereo system is connected.
- **[ Surround ]** – the device supports Dolby Surround. Dolby Digital and MPEG-2 multi-channel audio are converted to two-channel output that is compatible with Dolby Surround.

**[ Night mode ]**

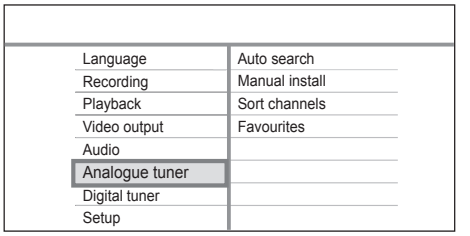
Make loud noise softer and soft noise louder so that you can watch the DVD movies at a low volume, without disturbing others.

- **[ On ]** – for quiet viewing at night (DVDs only).
- **[ Off ]** – enjoy surround sound with a full dynamic range.

4 Select a setting, then press **OK**.

- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **OPTIONS**.

# Analogue tuner settings




Note

- When you access this setting, the Time Shift Buffer is cleared.

## Reinstall all analogue TV channels

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Analogue tuner ]** > **[ Auto search ]**.

3 Press **OK** to start channels search.
↳ All previously stored analogue TV channels are replaced.

4 To exit the menu, press **OPTIONS**.

## Tune/modify channels manually

If the channels you want are not stored or not correctly stored, you have to manually enter and store the required channels. For easy identification, you can give the preset channels with four-character names.

1 Press **OPTIONS**.

2 Select [ **Settings** ] > [ **Analogue tuner** ] > [ **Manual install** ].

3 Enter the details of the required channel as below:

**[ Entry mode ]**

Select manual search entry mode, then press **OK**.

- **[ CH ]** – search by channel.
- **[ S-CH ]** – search by special channel.
- **[ MHz ]** – search by frequency.

**[ Entry ]**

Enter the channel number or frequency value, then press **OK**.

Or;

Press the **Blue** button on the remote control for **[ Search ]**. Once the correct channel/frequency is found, press the **Green** button **[ Store ]** to store.

**[ Preset ]**

Enter the preset number that you want to allocate this channel (e.g. '01'), then press **OK** followed by **Green** button **[ Store ]** to store.

**[ Preset name ]**

Enter a four-character name for this channel, then press **OK** followed by **Green** button **[ Store ]** to store.

4 To exit the menu, press **OPTIONS**.

## Optimise the channels reception

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Analogue tuner ]** > **[ Manual install ]**.

3 Select a preset channel in the **[ Preset ]** field, then press **OK**.

4 Select an option, then press ▶.

**[ TV system ]**

To get the best picture and sound out of the TV broadcasts, select the TV system that is best for your country.

**[ NICAM ]**

NICAM is a digital sound transmission system. It can transmit either one stereo channel or two separate mono channels.

- **[ On ]** – turn on NICAM to improve the sound transmission.
- **[ Off ]** – turn off NICAM if the reception is poor.

**[ Finetune ]**

Press ▲ ▼ to adjust the frequency of channels with poor reception.

5 Select a setting, then press **OK**.

- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **OPTIONS**.

## Change channels order

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Analogue tuner ]** > **[ Sort channels** ], then press **OK**.

3 Select the channel that you want to move, then press ▶.

| | |
|---|---|
| 01 | BBC |
| 02 | RTL4 |
| 03 | ARD |
| 04 | ORF2 |
| 05 | |
| 06 | TELET |
| 07 | |

4 Move to the preset number to which you want to place the selected channel, then press **OK**.

| | | | | | |
|---|---|---|---|---|---|
| 01 | BBC | | | 01 | RTL4 |
| 02 | RTL4 | | | 02 | ARD |
| 03 | ARD | | | 03 | ORF2 |
| 04 | ORF2 | | 04 ORF2 | 04 | BBC |
| 05 | | | | 05 | |
| 06 | TELET | | | 06 | TELET |
| 07 | | | | 07 | |

5 To exit the menu, press **OPTIONS**.

## Select favourite channels for easy access

Customise the list of channels that you can browse through when you press programme up/down button (P + −) on the remote control.

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Analogue tuner ]** > **[ Favourites ]**, then press **OK**.

| | | |
|---|---|---|
| ☒ | 1 | BBC |
| ☒ | 2 | RTL4 |
| ☐ | 3 | ARD |
| ☒ | 4 | ORF2 |
| ☒ | 5 | |
| ☐ | 6 | TELET |
| ☐ | 7 | |

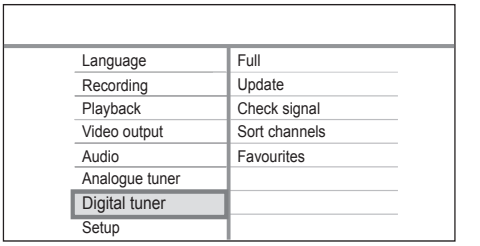
3 Select a channel, press **OK** to mark or unmark it.
- Marked channels ( ☒ ) are your favourite channels.
- To return to the previous menu, press **BACK** ⮌.

4 To exit the menu, press **OPTIONS**.

Note

- The unmarked channels are skipped only when you browse through the channel list with **P +-** on the remote control.
- To access the unmarked channels, enter their preset numbers using the alphanumeric buttons.

# Digital tuner settings




Note

- When you access this setting, the Time Shift Buffer is cleared.

## Reinstall digital TV/radio channels

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Digital tuner ]**.

**To reinstall all channels**
- Select **[ Full ]**, then press **OK** to start channels search.

**To install new channels only**
- Select **[ Update ]**, then press **OK** to start channels search.

3 Once complete, press **BACK** ⮌ to exit.

4 To exit the menu, press **OPTIONS**.

## Change channels order

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Digital tuner ]** > **[ Sort channels ]**, then press **OK**.

**To access TV channels list**

- Select **[ Digital TV ]**, then press **OK**.

**To access radio channels list**

- Select **[ Digital radio ]**, then press **OK**.

3 Select the channel that you want to move, then press ▶.

| | |
|---|---|
| 01 | BBC |
| 02 | RTL4 |
| 03 | ARD |
| 04 | ORF2 |
| 05 | |
| 06 | TELET |
| 07 | |

4 Move to the preset number to which you want to place the selected channel, then press **OK**.

| | |
|---|---|
| 01 | BBC |
| 02 | RTL4 |
| 03 | ARD |
| 04 | ORF2 |
| 05 | |
| 06 | TELET |
| 07 | |

04 ORF2

| | |
|---|---|
| 01 | RTL4 |
| 02 | ARD |
| 03 | ORF2 |
| 04 | BBC |
| 05 | |
| 06 | TELET |
| 07 | |

5 To exit the menu, press **OPTIONS**.

## Select favourite channels for easy access

Customise the list of channels that you can browse through when you press programme up/down button (**P + −**) on the remote control.

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Digital tuner ]** > **[ Favourites ]**, then press **OK**.

**To access TV channels list**

- Select **[ Digital TV ]**, then press **OK**.

**To access radio channels list**

- Select **[ Digital radio ]**, then press **OK**.

| | | |
|---|---|---|
| ☒ | 1 | BBC |
| ☒ | 2 | RTL4 |
| ☐ | 3 | ARD |
| ☒ | 4 | ORF2 |
| ☒ | 5 | |
| ☐ | 6 | TELET |
| ☐ | 7 | |

3 Select a channel, then press **OK** to mark or unmark it.

- Marked channels ( ☒ ) are your favourite channels.
- To return to the previous menu, press **BACK** ⮌.

4 To exit the menu, press **OPTIONS**.

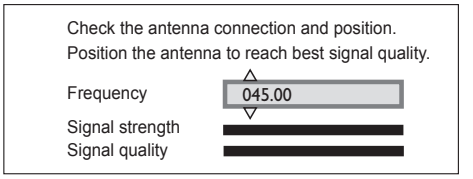
**Note**

- The unmarked channels are skipped only when you browse through the channel list with **P +-** on the remote control.
- To access the unmarked channels, enter their preset numbers using the alphanumeric buttons.

## Check the digital tuner signal

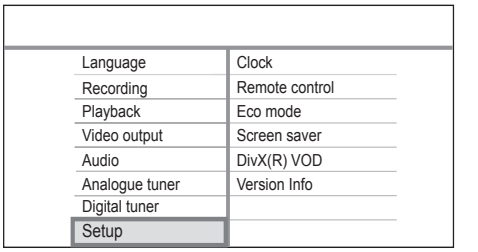
1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Digital tuner ]** > **[ Check signal ]**, then press **OK**.
↳ It shows the frequency of the digital tuner, and its signal strength and quality.




3 To exit the menu, press **OPTIONS**.

# Setup settings




## Reset time and date

Set the time and date on your recorder before schedule a timer recording.

**Note**

- When you access this setting, the Time Shift Buffer is cleared.

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Setup ]** > **[ Clock ]**, then press **OK**.

**[ Time ]**

Set the time manually.

- **[ 00 : 00 AM/PM ]** – press ▲ ▼ or the **alphanumeric buttons** to set the hours and minutes, then press **OK**.

**[ Date ]**

Set the date manually.

- **[ 31/01/2007 ]** – press ▲ ▼ or the **alphanumeric buttons** to set the day, month and year, then press **OK**.

3 To exit the menu, press **OPTIONS**.

## Change country of residence

Select the country in which you use this recorder to receive the channels available in your area when you reinstall the TV channels.

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Setup ]** > **[ Country ]**, then press **OK**.

3 Select a country, then press **OK**.
- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **OPTIONS**.

## Display software version and DivX® registration code

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Setup ]**, then press ▶.

3 Select an option to display the information.

**[ DivX(R) VOD ]**

Display the DivX registration code.
- Enter this unit's DivX registration code when you rent or purchase video from www.divx.com/vod. The DivX videos rented or purchased through the DivX® VOD (Video On Demand) service can be played only on the device to which it is registered.

**[ Version info ]**

Display the software version of this recorder.
- This information is required when you want to find out if a newest software version is available at the Philips website that you may download and install on this recorder.
-

4 To exit the menu, press **OPTIONS**.

## Other settings

1 Press **OPTIONS**.

2 Select **[ Settings ]** > **[ Setup ]**, then press ▶.

3 Select an option, then press ▶.

**[ Remote Control ]**

Use a different remote control.
- **[ DVD ]** – enable other Philips remote controls to control this recorder.
- **[ Native ]** – only this remote control can control this recorder.

**[ Eco mode ]**

This is an energy saving mode.
- **[ On ]** – reduce energy consumption in standby mode.
- **[ Off ]** – turn off eco mode.

**[ Screen saver ]**

Protect the TV screen from being damage due to over exposure to a static image for too long.
- **[ Off ]** – disable screen saver mode.
- **[ 5, 10, 30 minutes ]** – set the screen saver to appear after a period of inactivity (for example, recorder is in pause or stop mode).

4 Select a setting, then press **OK**.
- To return to the previous menu, press **BACK** ⮌.
- To exit the menu, press **OPTIONS**.

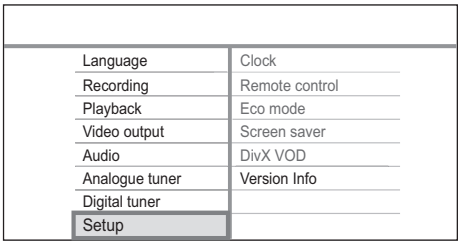
# 12 Additional information

## Upgrade software

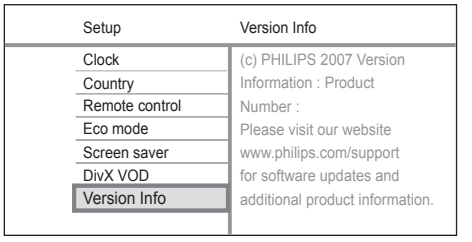
Philips provides software upgrades to ensure that this recorder is compatible with the newest formats.

To check the updates, compare the current software version of your recorder with the latest software version available at the Philips website.

1 Press **OPTIONS**, select **[ Settings ]** > **[ Setup ]** > **[ Version info ]**.




2 Write down the version number, then press **OPTIONS** to exit the menu.




3 Go to www.philips.com/support to check the latest software version available for this recorder.

4 If the latest software version is higher than the software version of your recorder, download it and store onto a CD-R or USB flash drive

5 Insert the CD-R or USB flash drive to this recorder and confirm upgrade operation.
   ↳ The software starts to install.
   - Do not remove the CD-R or USB when the recorder is preparing for software upgrade.

6 Once software upgrade is complete, you can now power off and on the recorder.

## Care

### Hard Disk Drive (HDD) handling care

To avoid damage to the hard disk and losing important data:

- Do not move the recorder or subject it to vibration whilst in operation.
- Do not remove the AC power plug from the mains socket without switching the recorder to standby.

It is recommended to archive important recording to a recordable DVD as backup.

### Energy saving

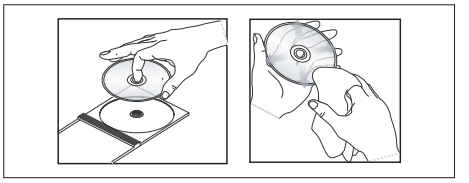
In order to minimise the power consumption in standby mode, we recommend you to leave this unit with Eco mode enable and turn off the front panel display brightness. See 'Playback settings > **[ Display ]** option and Setup settings > **[ Eco mode ]** option' for details.

## Clean discs

**Caution!**

- Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.

Wipe the disc with a micro fibre cleaning cloth from the centre to the edge in a straight line movement.



# About DivX® character set

Most of the DivX videos embedded with multiple subtitles. In order to display the subtitle correctly on the screen, you may need to change the character set to which supports the selected DivX subtitle.

To access character set option, press **OPTIONS** on the remote control while playing a DivX video.

| Character set/ DivX Subtitle | Subtitle language |
|---|---|
| Standard | English, Irish, Danish, Estonian, Finnish, French, German, Italian, Portuguese, Luxembourgish, Norwegian (Bokmål and Nynorsk), Spanish, Swedish, Turkish |
| Central Europe | Polish, Czech, Slovak, Albanian, Hungarian, Slovene, Croatian, Serbian (Latin script), Romanian, |
| Cyrillic | Belarusian, Bulgarian, Ukrainian, Macedonian, Russian, Serbian, |
| Greek | Greek |

**Note**

- Ensure that the subtitle file has the exact same file name as the movie file. If for example the filename of the movie is 'Movie.avi', then you will need to name the text file 'Movie.sub' or 'Movie.srt'.

# Specifications

Note

- Specification and design are subject to change without notice.

### Accessories supplied

- Quick Start Guide
- RF antenna cable
- Scart adaptor
- Audio/Video cables
- Remote control and batteries
- Tuner interlink cable

### Recording media

- HDD. DVD+R/-R, DVD+RW/-RW, DVD+R Double layer, USB flash drive

### Playback media

- DVD-Video, Video CD/SVCD, Audio CD, CD-R/CD-RW, DVD+R/+RW, DVD-R/-RW, Picture CD, MP3-CD, MP3-DVD, WMA-CD, USB flash drive

### Picture/Display

- A/D Converter: 10 bit, 54 MHz
- D/A Converter: 13 bit, 162 MHz
- Picture enhancement: Progressive Scan, HDMI

### Sound

- A/D Converter: 24 bit, 48 kHz
- D/A Converter: 24 bit, 96 kHz

### Tuner/Reception/Transmission

- TV system: PAL, SECAM
- Aerial input: 75 Ohm coaxial (IEC75)
- Digital TV Tuner: DVB-Terrestrial

### Video Recording

- Audio compression: Dolby Digital
- Compression formats: MPEG2
- Recording modes: High Quality (HQ), Standard Play (SP), Standard Play Plus (SPP), Long Play (LP), Super Long Play (SLP), Extended Play (EP), Super Extended Play (SEP)
- Recording system: PAL

### Video Playback

- Compression formats: MPEG2, MPEG1
- Video disc playback system: NTSC, PAL

### Audio Playback

- Compression formats: Dolby Digital, MPEG2 Multichannel, PCM, MP3, WMA
- MPEG1 bit rates: 64-384 kbps and VBR

### Storage Media

- Hard Disk capacity:
  - DVDR5520H - 160 GB
  - DVDR5570H - 250 GB

### Convenience

- HDD Media Jukebox: DivX, JPEG, MP3, WMA
- Programmable events: 40
- G-CODE programming

### Power

- Power supply: 220-240V, ~50 Hz
- Power consumption: 42 W
- Standby power consumption: < 6 W

### Cabinet

- Dimensions (WxHxD): 435 x 67 x 340 mm
- Net Weight: 4.6 kg

# 13 Troubleshooting



**Warning!**

- Risk of electric shock. Never remove the casing of this recorder.

To keep the warranty valid, never try to repair the system yourself.

If you encounter problems when using this recorder, check the following points before requesting service. If the problem remains unsolved, register your product and get support at www.philips.com/welcome.

## Main unit

**The buttons on the recorder do not work.**

There is a technical problem. Disconnect this unit from the power outlet for 30 seconds, then connect again. If the recorder still not able to operate, then reset it to the default factory settings as below:

1 Disconnect its ~MAINS from the power supply.

2 While you press and hold **STANDBY-ON** button on this recorder, connect its ~MAINS to the power supply.

3 Continue to hold down the **STANDBY-ON** button until 'STARTING' is displayed on the display panel.

4 When you see texts scrolling on the display panel, press **STANDBY-ON** button

- All information, including channels, timer recordings and settings, are deleted.

## Picture

| | |
|---|---|
| **No picture.** | • Turn on your TV and to the correct Video In channel for the recorder. You may go to Channel 1 (or the lower channel) on your TV, then press the channel down button on your TV until you see the recorder's built-in live TV broadcast.<br>• Check the video connection between this recorder and the TV. |
| **JPEG photos cannot be displayed.** | • This unit only supports pictures in JPEG-Exif file format, using 4:2:2 or 4:2:0 chroma subsampling, with a resolution not exceeding 4096 x 4096 (horizontal/vertical). JPEG pictures that download from the internet or have been modified using computer may not be able to display properly. |
| **No picture on HDMI connection.** | • Ensure that the active video output matches the connection (see 'Adjust settings - Video output settings > **[ Active video output ]**').<br>• Ensure that the HDMI video resolution of this recorder matches the capabilities of the connected TV/device (see 'Adjust settings - Video output settings').<br>• Check if the HDMI cable is faulty. Replace a new HDMI cable. |

## Sound

| | |
|---|---|
| **No sound.** | • Check the audio connections.<br>• Set the Analogue output or Digital output correctly based on the device you have connected to this recorder. See chapter 'Adjust settings - Audio settings' for details. |
| **The connected amplifier produces distorted sound.** | • Do not connect any cables from this recorder to the 'Phono' input of your amplifier.<br>• When you play a DTS source, connect the amplifier to the COAXIAL/OPTICAL DIGITAL OUT socket of this recorder. If the amplifier does not support DTS, it may produce distorted sound. |
| **No surround sound output on HDMI connection.** | • It depends on your TV audio capabilities. In this case, connect COAXIAL/OPTICAL OUT of this recorder to your TV, then turn off the HDMI audio setting (see 'Adjust settings - Audio settings > **[HDMI audio ]**'). |

| | |
|---|---|
| No sound on HDMI connection. | • You may not hear any sound from the HDMI output if the connected device is non-HDCP compliant or only DVI-compatible.<br>• It is not possible to output SACD or copy-controlled DVD-Audio sources from the HDMI connection. |

## Play

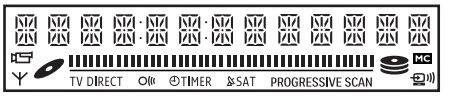
| | |
|---|---|
| DivX video files cannot be played. | • Ensure that the DivX file is encoded according to the 'Home Theatre Profile' with the DivX encoder.<br>• Ensure that the DivX video file is complete. |
| Music/photo/DivX files copied from the hard disk/ USB device to a recordable DVD cannot be played on other DVD players. | • Some PC/DVD players do not support the UDF1.50 file system used on the disc. Any PC installed with Windows XP or higher is able to play this disc. |
| The connected card reader/ flash drive is not detected. The message 'USB Hub is not supported' is displayed. | • This recorder only supports Mass Storage Class (MSC) devices. Not all card readers/flash drives implement this standard. Please use another device. |

## Record/Copy

| | |
|---|---|
| Scheduled timer recording does not record. | • Ensure that the recorder's time and date are set correctly (see 'Adjust settings - Setup settings - Reset time and date').<br>• Two timer programmes may have overlapped. In such case, only the earlier start time is recorded. |
| Recordable DVD recorded on this recorder cannot be played on other DVD players. | • The recording is too short for the DVD player to detect.<br>• The DVD R is not finalised yet (see 'Make your recordable DVD plays on other DVD players').<br>• The DVD RW is not compatible (see 'Make your recordable DVD plays on other DVD players'). |

| | |
|---|---|
| **DVD RW that has been formatted in a computer cannot be used for recording.** | You have to re-format the DVD RW.<br>1 Press **OPEN CLOSE** to open the disc tray.<br>2 Insert a disc but do not close the tray.<br>3 Press and hold [**0**] on the remote control until the disc tray closes.<br>4 Start recording on the DVD RW before you remove it from the disc tray. |
| **DivX video files cannot be copied onto the hard disk even though the data partition still has enough free space.** | • DivX videos are not stored in the data partition. They are stored in the video partition.<br>• Delete some recordings in the video partition to free up some space. |
| **The message 'Collision' is displayed.** | • A scheduled recording overlaps with another scheduled recording. Change or delete a scheduled recording. |

# Display message




**00:00** (Multi-function display/text line)
- Title/track number
- Total time/elapsed time/remaining title time/ track time
- Disc/title name
  - Error or warning messages
  - Additional disc information
  - TV channel number or video source
  - Clock (displays in standby mode)
  - TV programme title

- Live TV mode.

- Access to camera mode.

- Access to disc mode.

- Access to hard disk drive.

MC
- Access to USB device.

PROGRESSIVE SCAN
- The video output is in progressive scan quality.

TIMER
- A timer recording has been programmed or is active.

BLOCKED
- The disc tray cannot be opened or closed due to some mechanical obstruction.

BROWSER
- The recorder is currently in media browser mode.

COMPATIBLE
- Make the disc compatible for playback.

COPY PROTECT
- The DVD/video cassette that you want to copy is copy-protected.

CREATING MENU
- When the first recording of a disc is complete, the menu structure is created.

DISC ERR
- An error occurred when writing the title. If this happens often, clean the disc or use a new one.

DISC FULL
- The disc is full. There is no storage space for new recordings.

DISC WARNING
- An error occurred when you record from an external device. The recording continues but the scene that caused the error is not recorded.

EMPTY DISC
- The disc is new or has been completely erased (no recordings present).

FREE TITLE
- The selected title is empty.

FINALIZING DISC
- The DVD R is being finalised.

IS TV ON?
- The recorder is powered on for the first time, you need to turn on your TV and complete the initial setup.

MAX CHAP
- The maximum number of chapters per title disc has been reached. The maximum number of chapters per title is 99, and 255 per disc.

MAX TITLE
- The maximum number of titles has been reached for the disc. Each disc can have a maximum of 49 titles.

UPDATING MENU
- After a successful recording, the list of disc contents is updated.

NO DISC
- There is no disc in the disc tray or the disc cannot be read.

NOSIGNAL
- No signal or signal is poor.

NTSC DISC
- A disc with NTSC recordings has been inserted and an attempt was made to record a PAL signal. Insert a new disc or use a disc that contains PAL recordings.

PAL DISC
- A disc with PAL recordings has been inserted and an attempt was made to record an NTSC signal. Insert a new disc or use a disc that contains NTSC recordings.

STARTING
- The recorder has been turned on.

POST FORMAT
- The disc is being prepared after the menu structure has been created.

PROTECTED
- The title is copy-protected and cannot be recorded.

READING
- The recorder is reading the disc.

STANDBY
- Turn off to standby mode.

SYS MENU
- The on-screen menu display is on.

BUSY
- An operation is in progress. Wait until this message disappears.

# 14 Glossary



**Analogue audio**
Sound that has not been turned into numbers. Analogue sound is available with you use the AUDIO LEFT/RIGHT. These red and white sockets send audio through two channels, the left and right.

**Aspect ratio**
Aspect ratio refers to the length to height ratio of TV screens. The ratio of a standard TV is 4:3, while the ratio of a high-definition or wide TV is 16:9. The letter box allows you to enjoy a picture with a wider perspective on a standard 4:3 screen.

**Composite video (CVBS)**
A single video signal commonly used in most consumer video products.

**Digital audio**
Sound signal that has been converted into numerical values. Digital sound is available when you use the DIGITAL AUDIO OUT COAXIAL. These sockets send audio through multiple channels, instead of just two channels as analogue does.

**Disc menu**
A screen display prepared for allowing a selection of images, sounds, subtitles, multi-angles, etc., recorded on a DVD.

**DivX**
The DivX code is a patent-pending, MPEG-4 based video compression technology, developed by DivX Networks, Inc., that can shrink digital video to sizes small enough to be transported over the internet, while maintaining high visual quality.

**Dolby Digital**
A surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right, centre and subwoofer).

**JPEG-EXIF**
JPEG-Exchangeable Image File. A file format developed by Fuji Photo Film for digital still cameras. Digital cameras from various manufacturers use this compressed file format which carries date, time and thumbnails information, as well as the picture data.

**Finalise**
A process that makes playback of a recorded DVD±R or CD-R possible on device that can play such media. You can finalise DVD±R on this unit. After finalising, the disc becomes play only and you can no longer record or edit on the disc.

**HDMI**
High-Definition Multimedia Interface (HDMI) is a high-speed digital interface that can transmit uncompressed high definition video and digital multichannel audio. It delivers high quality picture and sound quality, completely free from noise. HDMI is fully backward-compatible with DVI.

As required by the HDMI standard, connecting to HDMI or DVI products without HDCP (High-bandwidth Digital Content Protection) will result in no Video or Audio output.

**HDCP**
High-bandwidth Digital Content Protection is a specification that provides a secure transmission of digital contents between different devices (to prevent unauthorised copyright).

**Index Picture Screen**
A screen that gives an overview of a DVD±RW or DVD±R. An Index Picture represents each recording.

**JPEG**
A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio. Files are recognised by their file extension 'JPG or JPEG'.

**MP3**
A file format with a sound data compression system. 'MP3' is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer3. By using the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD. Files are recognised by their file extension '.MP3'.

**MPEG**
Motion Picture Experts Group. A collection of compression systems for digital audio and video.

**PBC**
Playback Control. A system of navigating a Video CD/Super VCD through on-screen menus recorded onto the disc. You can enjoy interactive playback and searching.

**PCM**
Pulse Code Modulation. A digital audio encoding system.

**Progressive Scan**
The progressive scan displays twice the number of frames per seconds than ordinary TV system. It offers higher picture resolution and quality.

**Region code**
A system allowing discs to be played only in the region designated. This unit will only play discs that have compatible region codes. You can find the region code of your unit by looking on the product label. Some discs are compatible with more than one region (or ALL regions).

**S-Video**
Produces a clear picture by sending separate signals for the luminance and the colour. You can use S-Video only if your TV has an S-Video In socket.

**Surround**
A system for creating realistic three dimensional sound fields full of realism by arranging multiple speakers around the listener.

**WMA**
Windows Media™ Audio. Refers to an audio compression technology developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 9 or Windows Media Player for Windows XP. Files are recognised by their file extension 'WMA'.

## AUSTRALIA - Philips Manufacturers Warranty for Australia only

**These Warranty conditions are valid for the following consumer electronics products: Colour Televisions, Projection TV, Plasma & LCD TV, DVD Players, DVD Recorders, DVD Recorders with HDD, Personal Video Recorders, Audio Systems, Home Theatre systems, Digital Set Top Box, Digital Photo Display, MP3 players & Portable Audio products.**

**The benefits given to the purchaser by this warranty are in addition to all other rights and remedies, which the purchaser has in respect of the product under the Trade Practices Act or other Commonwealth or State Law.**

**Philips Consumer Electronics warrants its products to the purchaser as follows and subject to the stated conditions.**

### 1 Year Free Repair Service – at Philips ASC

Colour Television, Plasma Television, LCD Television, Projection Television DVDR/VCR Combo, DVD Recorder with Hard Drive, Personal Video Recorder, LCD Projector, Wireless Audio System, Audio System, Home Theatre System & Digital Photo Display (Photo Frame) & Digital Set-Top-Box.

### 1 Year Free Replacement – at your Retailer

Portable Audio, MP3 players, DVD Players, DVD/VCR Combo Players, DVD Recorders without HDD & Portable DVD/LCD players.

### Conditions of Repair Warranty

1. All claims for warranty service should be made to your nearest Philips Authorised Service Centre or the Philips Technology Care Centre. Reasonable evidence of date of purchase must be provided.
2. This warranty extends only to defects in material or workmanship occurring under normal use of the product when operated in accordance with the instructions.
3. If a replacement product is supplied under the repair policy, it is warranted for the remainder of the warranty period of the original purchased product only.
4. Home service is provided only within the normal service area of one of our recommended Authorised Service Centres (ASC). It will be provided for television receivers only with a screen size of 67cms or above (product includes CRT, LCD TV, PTV, and Plasma TV). Televisions with screen sizes less than 67 cms and all other product types are to be taken or sent by the consumer to the workshop of your nearest Authorised Service Centre, at the Consumer's expense.
5. This Manufacturers Warranty is limited to 3 months for the above listed Consumer Electronics Products if used in commercial applications.
6. Philips may, at its discretion choose to replace rather than repair any product covered by this warranty.
7. Product accessories are covered by the same warranty period. Please contact the Philips Technology Care Centre for free replacement of faulty accessories.
8. This Manufacturers Warranty is neither transferable nor valid in countries other than Australia.

### This warranty does not cover:

a) Mileage or travel outside the normal service area covered by selected Authorised Service Centre.

b) Service costs arising from failure to correctly adjust the controls of the product or to observe the instructions, or inspections that reveal that the product is in normal working order.

c) Product failures caused by misuse, neglect, accidental breakage, transit damage, inexpert repairs or modification by un-authorised persons, external fires, lightning strikes, floods, vermin infestation or liquid spillage.

d) Cleaning of video or audio heads.

e) Inadequate receiving antennae.

f) Replacement of worn or used batteries or other consumables.

g) Consumer products used in commercial applications (This warranty is limited to 3 months only)

h) Second hand products.

**The conditions contained in this warranty card replace and override the provision of the Philips World-Wide Guarantee for products purchased in Australia and used in Australia.**

**Philips Consumer Electronics** a division of **Philips Electronics Australia Limited** ABN 24 008 445 743,
Level 1, 65 Epping Road NORTH RYDE NSW 2113.

Service is provided through more than 100 accredited Authorised Service Centres throughout Australia.
For direct contact with the nearest recommended Authorised Service Centre in capital & regional cities/towns

## Authorised Service Centre Network

# 1300 361 392

Customer support is provided in Australia by our trained call centre staff
For assistance with product features and specifications, please call

## Technology Care Centre

# 1300 363 391

**Please record the following information for your records and keep in a safe place.**
**We recommend retaining your purchase receipt to assist with any warranty claim**

| | |
|---|---|
| **Model number** | **: ……..** |
| **Serial number** | **: ……..** |
| **Date of purchase** | **: ……..** |
| **Retailer** | **: ……..** |

# New Zealand - Guarantee and Service for New Zealand

Thank-you for purchasing this quality Philips product.
Philips New Zealand Ltd guarantees this product against defective components and faulty workmanship for a period of 12 months. Any defect in materials or workmanship occurring within 12 months from the date of purchase subject to the following conditions will be rectified free of charge by the retailer from whom this product was purchased.

**Conditions**

1. The product must have been purchased in New Zealand. As proof of purchase, retain the original sales docket indicating the date of purchase.
2. The guarantee applies only to faults caused by defective components, or faulty workmanship on the part of the manufacturer.
3. The guarantee does not cover failures caused by misuse, neglect, normal wear and tear, accidental breakage, use on the incorrect voltage, use contrary to operating instructions, or unauthorised modification to the product or repair by an unauthorised technician.
4. Reasonable evidence (in the form of a sales docket) must be supplied to indicate that the product was purchased no more than 12 months prior to the date of your claim.
5. In the event of a failure, Philips shall be under no liability for any injury, or any loss or damage caused to property or products other than the product under guarantee.

   This guarantee does not prejudice your rights under common law and statute, and is in addition to the normal responsibilities of the retailer and Philips.

**How to claim**

Should your Philips product fail within the guarantee period, please return it to the retailer from whom it was purchased. In most cases the retailer will be able to satisfactorily repair or replace the product.

However, should the retailer not be able to conclude the matter satisfactorily, or if you have other difficulties claiming under this guarantee, please contact

**The Guarantee Controller**
**Philips New Zealand Ltd.**
**P.O. Box 41.021**
**Auckland**
**☎ (09) 84 94 160**
**fax ☎ (09) 84 97 858**

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